USTRANSCOM and DLA

Integrated Data Environment/Global Transportation Network Convergence (IGC)

FAD Kickoff

18 September 2008

0800 - 1200

Agenda

Start	End	Subject	Remarks
0800	0820	Introductions and Overview	IGC PM
0820	0840	Contracting Team	IGC Contracting Lead
0840	0900	Systems Engineering	IGC Chief Engineer
0900	1000	ESP Considerations	LM PM
1000	1015	Break	
1015	1035	BAH Presentation	BAH
1035	1055	EDS Presentation	EDS
1055	1115	FSG Presentation	FSG
1115	1135	GD Presentation	GD

IGC PM

Introduction and Overview

0800 - 0820

IDE/GTN Convergence (IGC) Vision

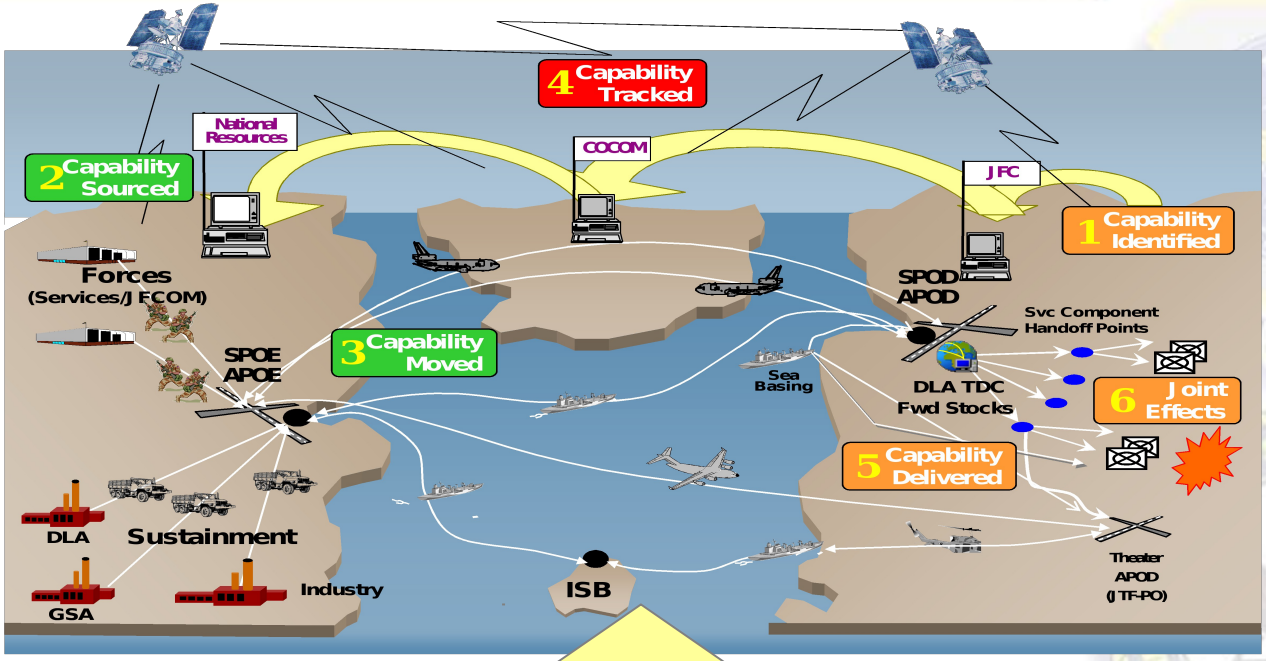
Vision: Provide common integrated data and application services enabling cohesive distribution solutions for the DoD

Enables:

- **Common logistics picture**
- **Distribution visibility**
- **Material asset & in-transit visibility**

Benefits:

- **Enhanced delivery of forces & sustainment**
- **Improved situational understanding**
- **Near real-time Enterprise Access to logistics and transportation data**
- **Improved trust and confidence**



IDE / GTN Convergence

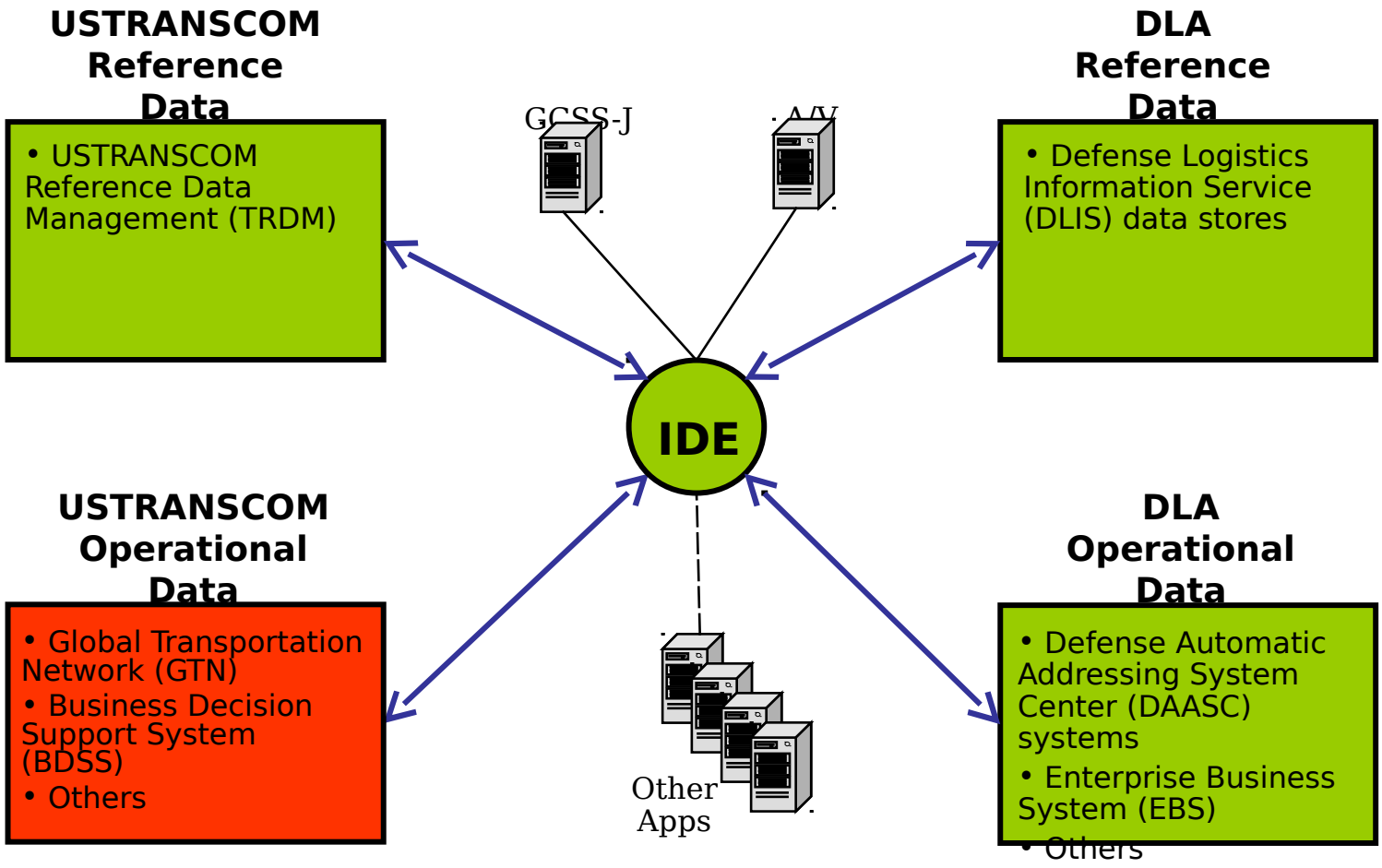
Unity Of Effort

DLA Data
Integrated Data Environment PM

- **Business Application Tools**
- **Logistics Visibility**
- **Transportation C² and ITV**

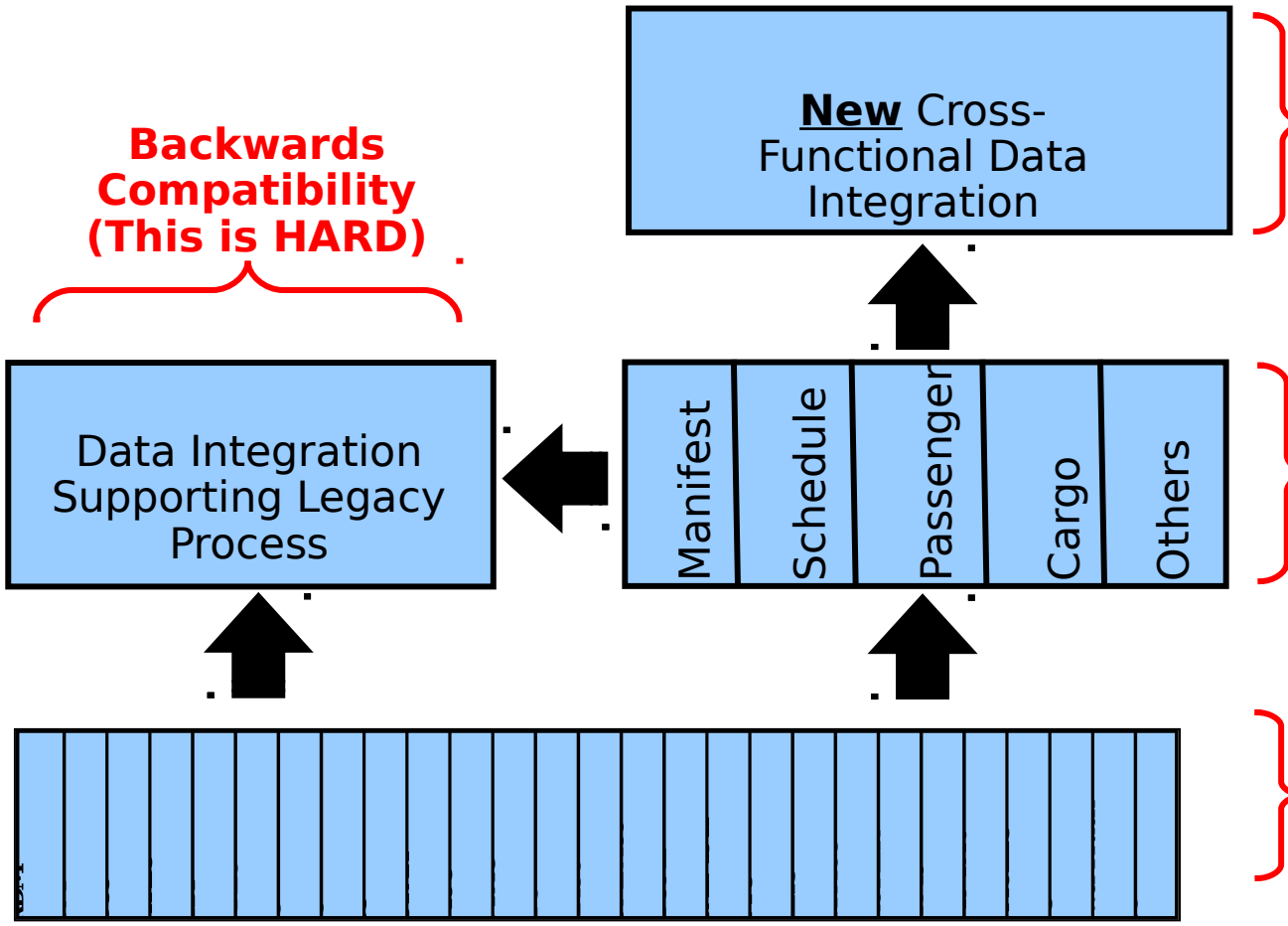
USTC Data
Global Transportation Network PM

At The Highest Level



- Core Constraint: GTN cannot provide access to “detail” data
- Core Constraint: GTN does not have an Enterprise Data Warehouse
- Core Constraint: GTN enhancements/upgrades must be backwards compatible

Key: Data Strategy



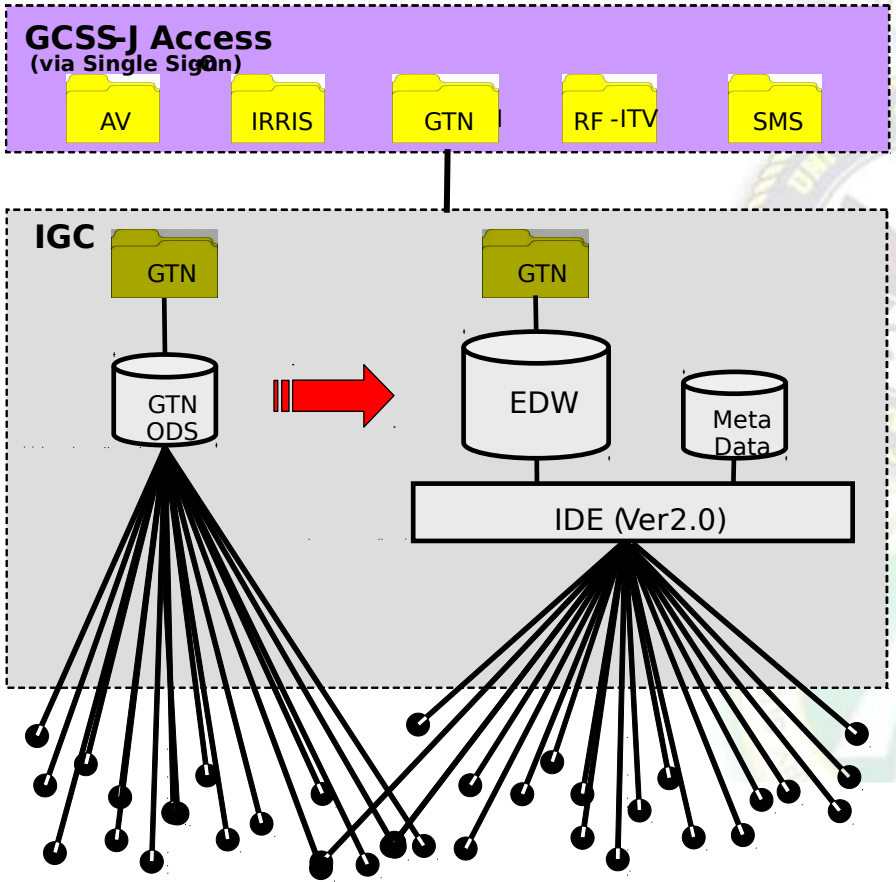
Integrated Data:
- Service oriented view
- Well defined
- Gaps identifiable

Domain Data:
- Supports domain view
- Understandable

Detail Data:
- Profiling (data quality)
- Authoritative
- Accessible

Specific Goals

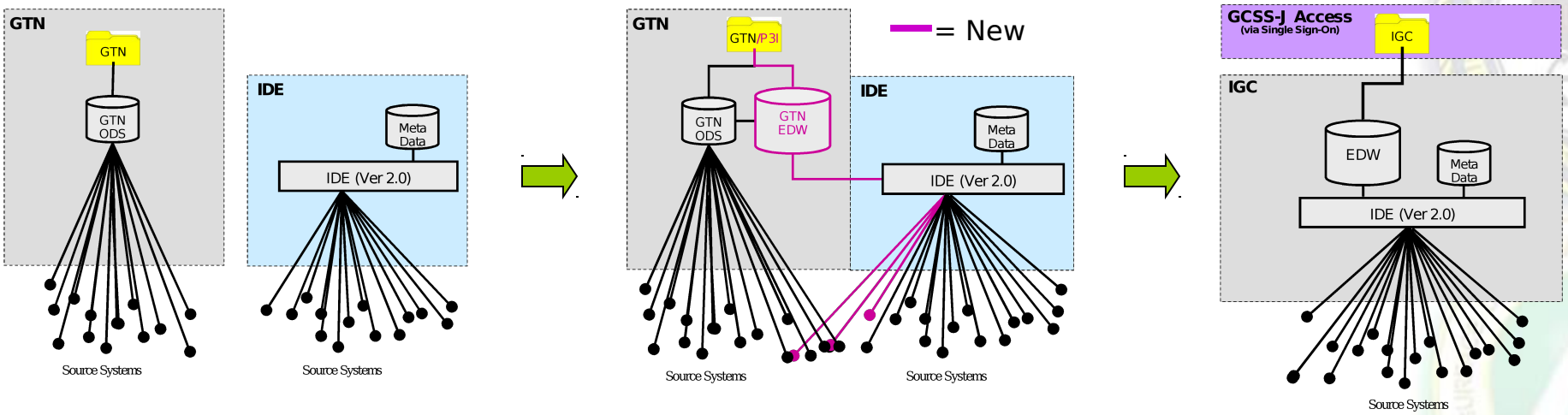
- ***Retire the existing GTN operational data store*** *via separation of data from application and convergence with the IDE without disruption to the mission critical systems that currently rely upon GTN for data.*
- ***Migrate existing GTN and new J-FRB approved front-end user capabilities into a Single Sign-On environment utilizing the GCSS-J*** *high and low-side portals for user access.*
- ***Provide the DoD access to integrated data required for decision support from DLA and USTRANSCOM systems from a single place.*** *Initial scope is the data from systems required to retire the legacy GTN data store.*
- ***Provide timely access to historical data*** *by creating an automated infrastructure to capture and broker up to five years of historical information*
- ***Improve data quality by providing quantitative measurement reports*** *of data quality to authorized users. Provide a mechanism for functional users to directly compare quality of data in the IGC environment to source systems.*
- ***Provide organized and understandable meta-data that allows authorized users to determine the genealogy*** *of information they see in the IGC.*



Mission Need - Before & After

- IGC allows GTN's Enterprise Data Warehousing capability and the capability deliveries of the IDE to be managed by a single Program Manager. Funding from one command does NOT augment the funding of the other command's program; efficiencies are a result of utilizing services rather than "building our own."
- IGC is a change in the way that DLA and USTRANSCOM manage, contract for, sustain, and implement improvements to GTN and IDE infrastructure. The legacy components of GTN will be retired, while the newer ones (e.g., its new Enterprise Data Warehouse) will be used in conjunction with services provided by the IDE to replace the existing capabilities of GTN, as well as, create new ones.

Before **P3I (Now)** **IGC End State**

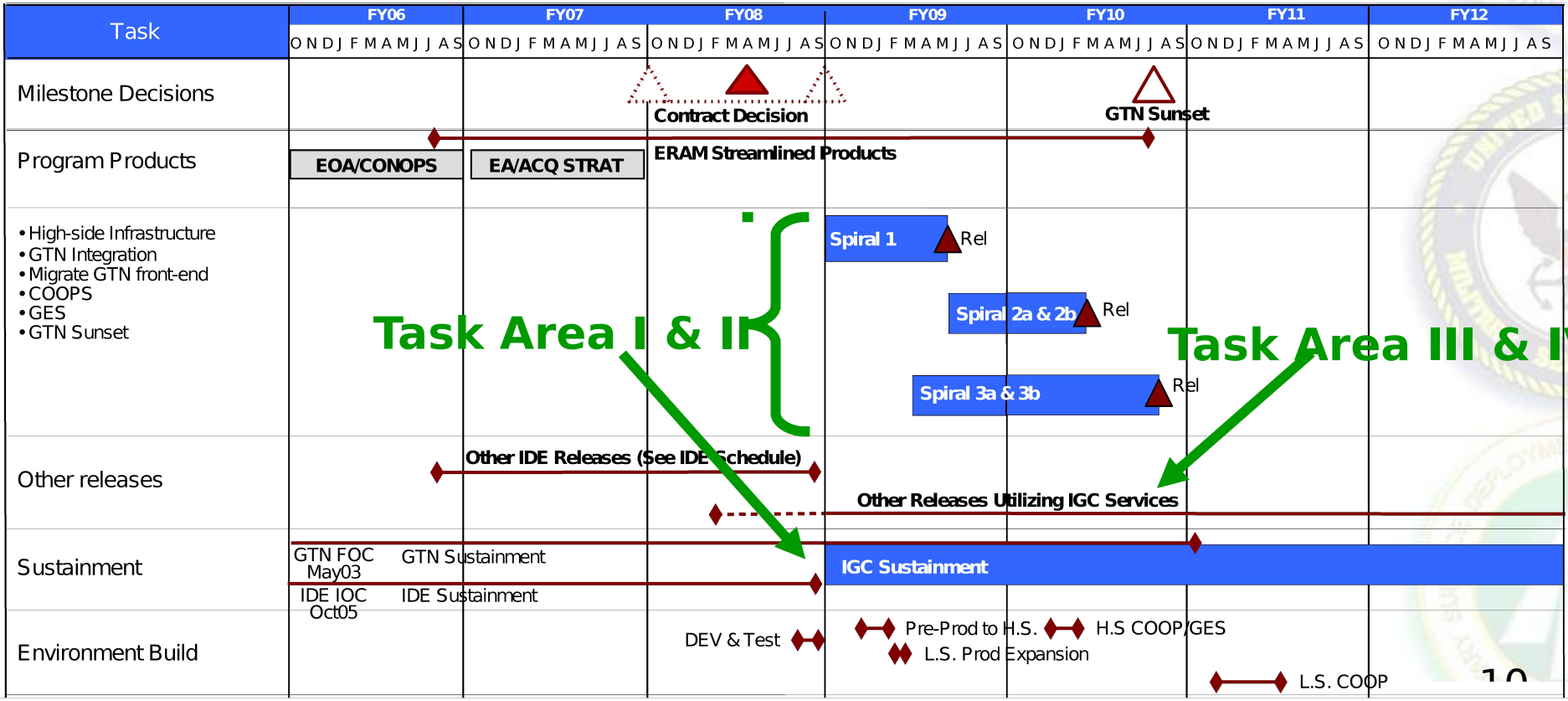


- **Business Goals:**
  - Enable more programs to develop new and more accurate capabilities earlier (empower many programs faster)
  - Enhance capability to interoperate earlier
  - Expose our data as standard services earlier
  - Unify IT development across the Domain earlier
  - Redirect investment into objective systems earlier
  - Achieve tangible ROI earlier
  - Shut off GTN and other Operational Data Stores (duplicative) earlier
  - Provide infrastructure and services for other programs to utilize

- **Priority For Migration Of Other Operation al Data Stores (Systems) Into Our Environment:**
  - Security
  - Duplicative
  - Non-standard approach
  - Net-centric; GIG Compliance (cross domain apps must "live" in a DISA DECC)
  - End-of life

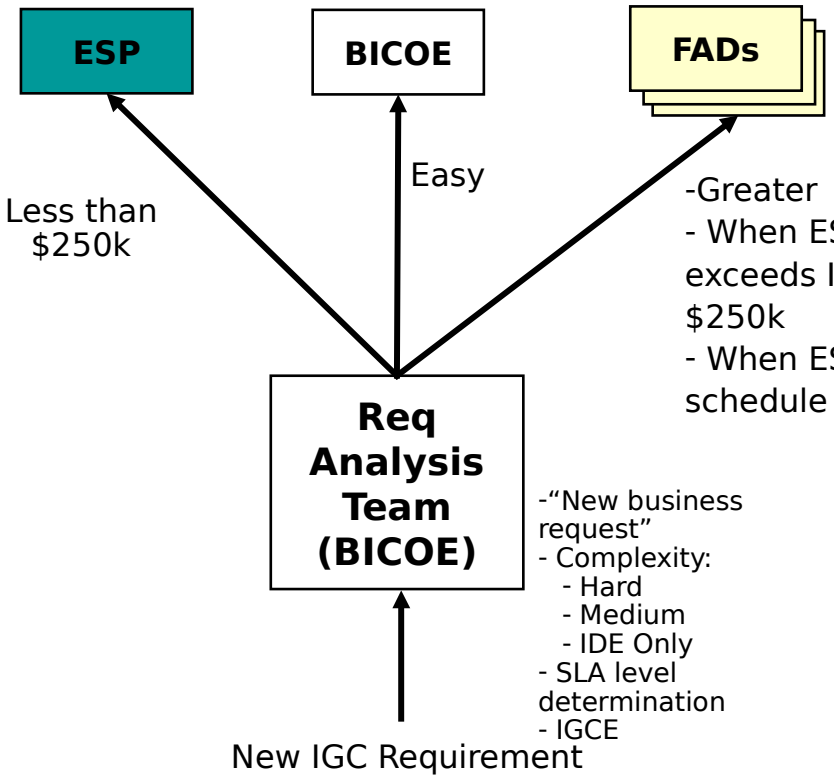
Overview

• The IGC implementation plan has been refined into an overarching program schedule which sunsets legacy GTN components in FY10. The plan is synchronized with guidance from the USTRANSCOM Distribution Portfolio Manager (DPfM), DLA PEO, and USTRANSCOM DPEO and is comprised of multiple spirals to leverage planned IDE enhancements, synchronize with several other USTRANSCOM / Distribution Process Owner (DPO) / Joint development initiatives, and inject investment into the converged environment rather than the old GTN infrastructure.

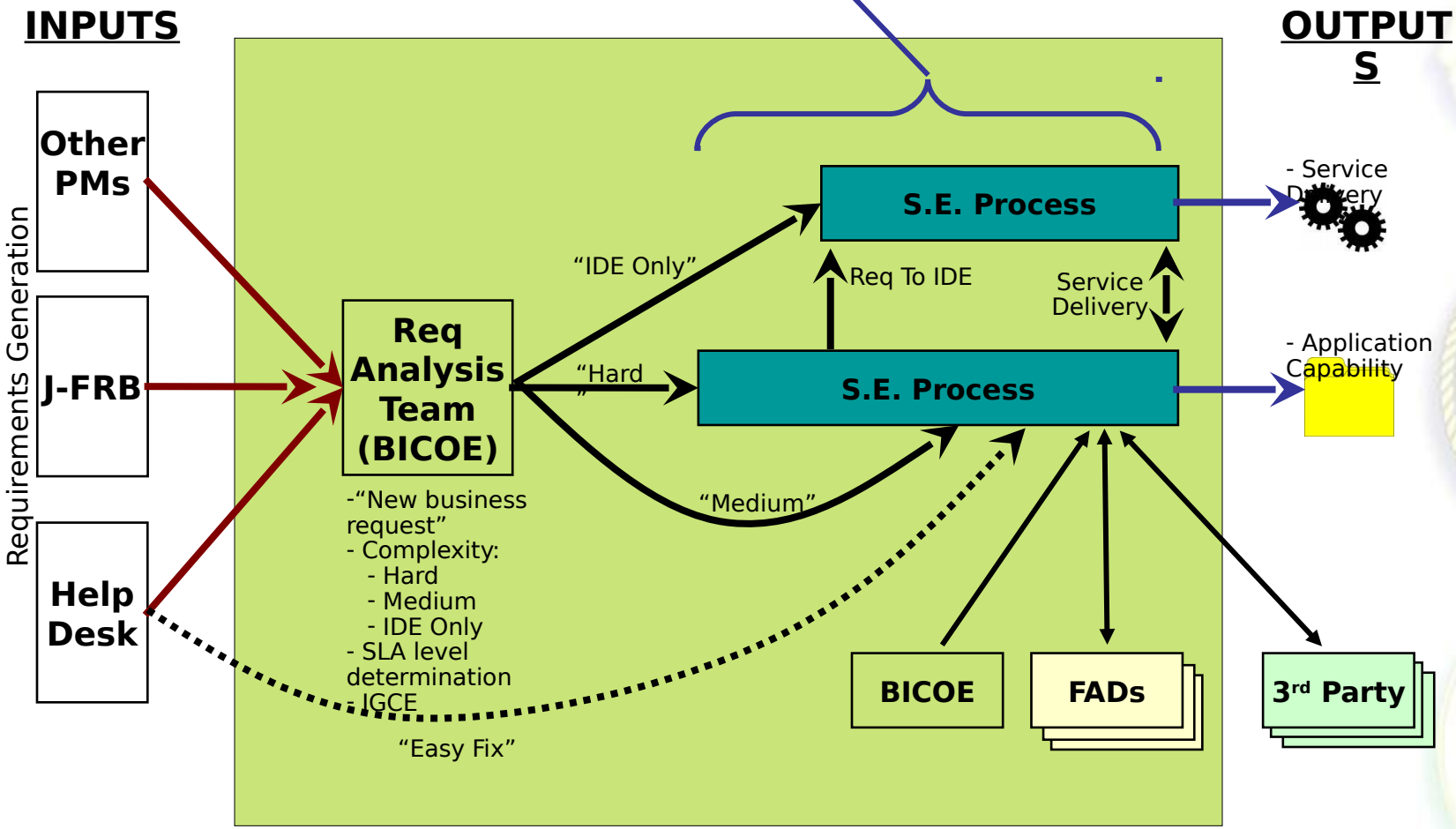


When Do FADS Compete For Work?

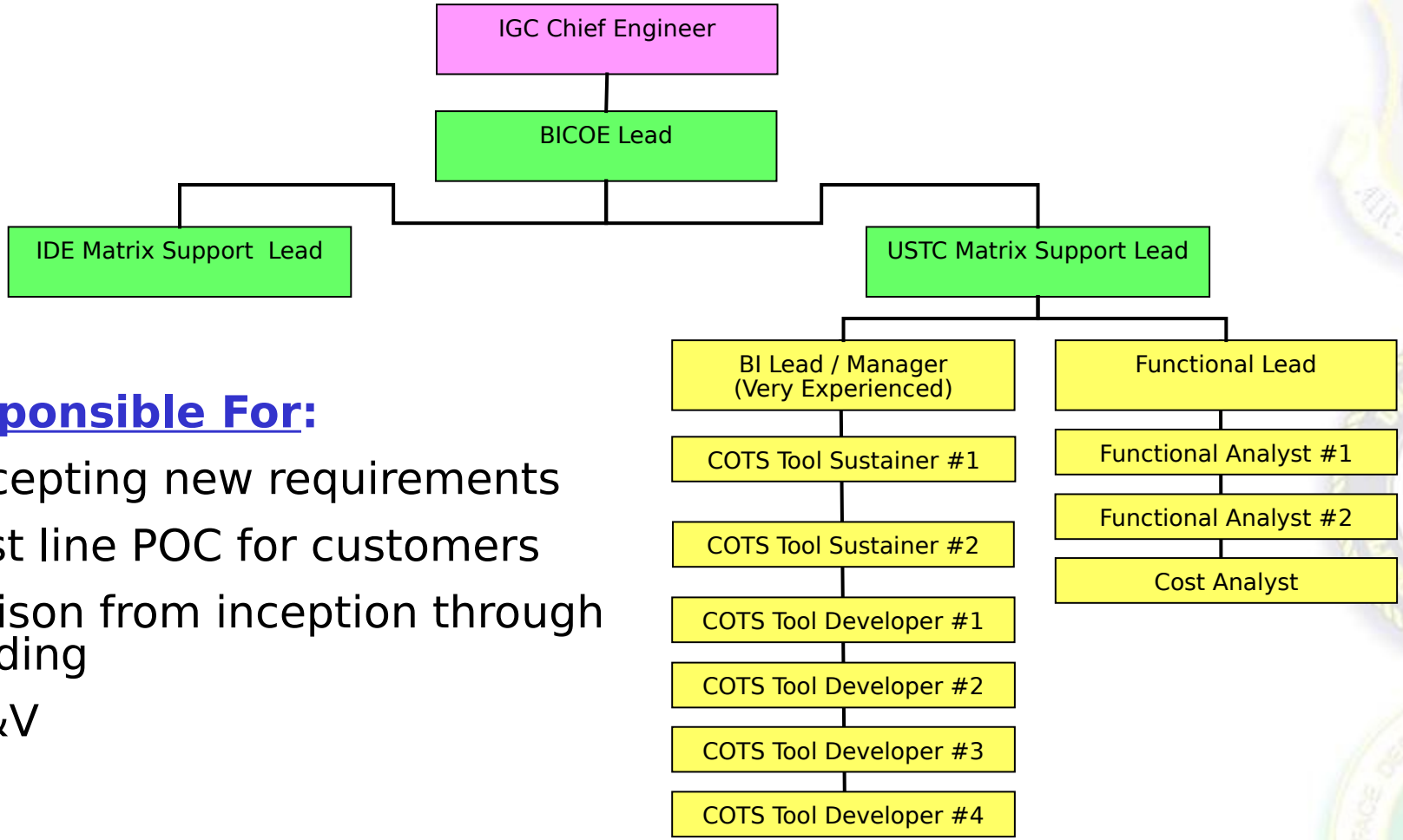
- **Applies to "front-end" application development work beyond the scope of requirements documents (CPD/CDD).**



Contractor responsible for IDE and EDW engineering synchronization, configuration management, data integration, sustainment, financial tracking.



BICOE Organization



Responsible For:

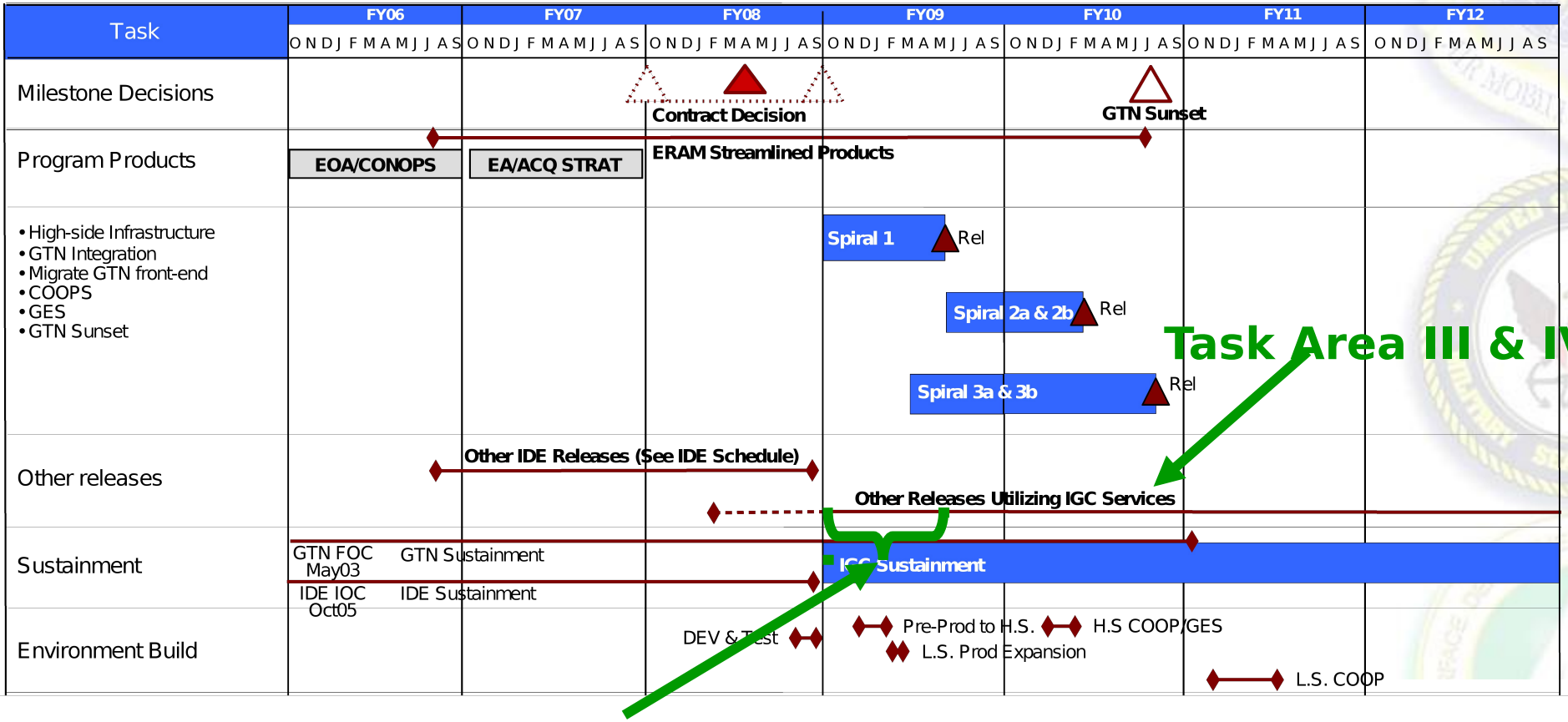
- Accepting new requirements
- First line POC for customers
- Liaison from inception through fielding
- IV&V

New DoD Client Responsibilities

- Client fills out Requirement Summary Form (RSF) and submits form to BICOE
- Coordinate development of User Requirements Document (URD) with BICOE functional lead
- Develop MOA between customer’s organization and IGC PM
- Provide funding for development of requirement
- Receive status reports on development effort

When Can We Start Task Area III & IV Work?

- New requirements for Task Area III & IV can be accepted as early as 1 Oct 2008
- BUT … due to the knowledge transfer & training (KT&T) period associated with the new contract, our ability to take in these new requirements will be somewhat limited until 1 DEC 2008



Limited ability to take in new work during KT&T period

IGC Summary

- Leverages existing investment; integrate the components from individual programs of record into a comprehensive capability
- Incremental, evolutionary (no big-bang)
- Formalizes a relationship (DLA & USTRANSCOM) that is a “natural act” (supply + transportation = distribution)
- Mitigates adverse effects of fragmented and missing data
- Open architecture of modular, interoperable, components
- Reusable services (eliminates redundant interfaces)
- Net-centric
- Best of breed approach (but, very organized … not a bunch of puzzle pieces scattered about)
- Creates a data integration competency center (we implement our models and prove they work … not just building theoretical ones)
- Accommodates changing technology (COTS) and requirements

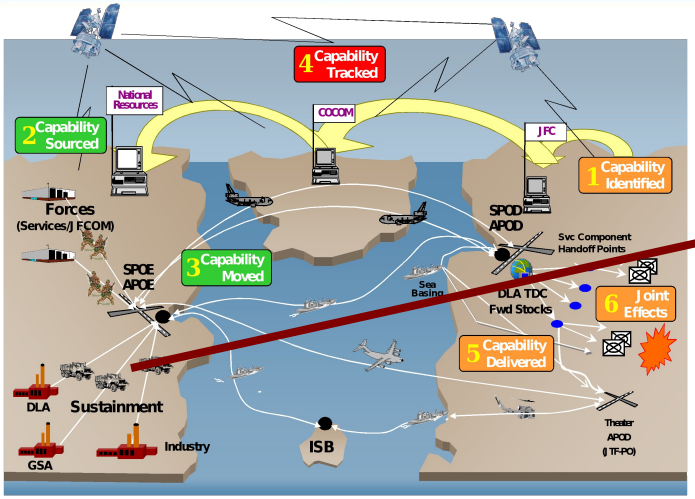
Backup

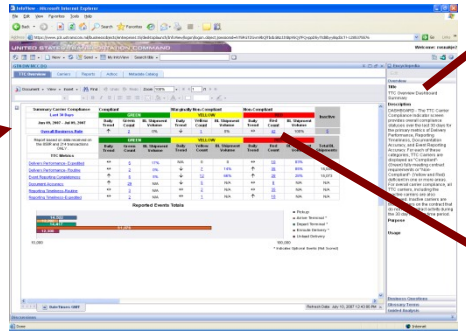
System Order - Scope

NewOrder	SYSTEM	HIGH/LOW	FY	Spiral
1	TRDM-LO	Low	Done	P3I 1
2	GFM	Low	Done	P3I 1
3	CEDI Part 1	Low	Done	P3I 1
4	GATES	Low	April 2008	P3I 2
5	GDSS-LO	Low	April 2008	P3I 2
6	WPS	Low	April 2008	P3I 2
7	DAAS Part 1	Low	April 2008	P3I 2
8	RF - ITV	Low	April 2008	P3I 2
9	CMOS	Low	Oct 2008	P3I 3
10	AMS-TAC	Low	Oct 2008	P3I 3
11	COMPASS	Low	Oct 2008	P3I 3
12	CEDI Part 2	Low	Oct 2008	P3I 3
13	IBS	Low	Oct 2008	P3I 3
	CSS	Low	Oct 2008	P3I 3
14	DAAS Part 2	Low	Oct 2008	P3I 3
15	MTMS	Low	3rd QTR 09	IGC 1
16	DTTS	Low	3rd QTR 09	IGC 1
17	MDSS II	Low	3rd QTR 09	IGC 1
18	TCAIMS II	Low	3rd QTR 09	IGC 1
19	JALIS	Low	3rd QTR 09	IGC 1
20	NTS	Low	3rd QTR 09	IGC 1
21	TRDM-HI	High	4th QTR 09	IGC 2
22	GDSS-HI	High	4th QTR 09	IGC 2
23	IOPFS	High	4th QTR 09	IGC 2
24	IC3	High	4th QTR 09	IGC 2

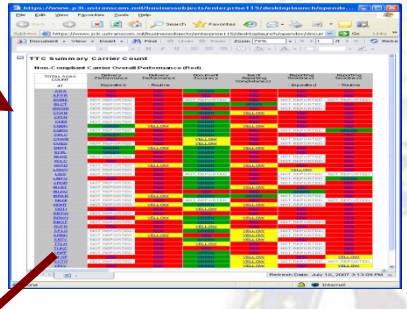
- **Data Services Available**
  - **GFM**
  - **TRDM**
  - **CEDI**
- **Capability Delivered**
  - **Motor Carrier Compliance (MCC)**
- **Customer**
  - **USA (SDDC)**

P3I MCC





Top Level Dashboard
- Provides Metrics & Color Codes on Performance
- Metadata / Data Quality

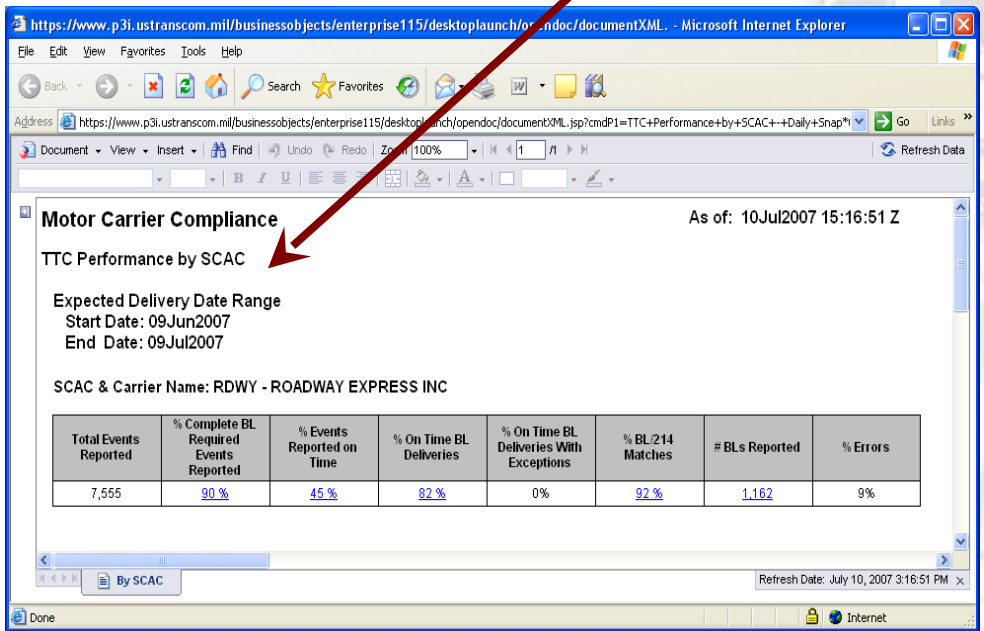


Capabilities

- Allows users of the system to determine exactly which contracted commercial truck carriers are complying with requirements to submit electronic status of movement and Government bills of lading IAW the TTC.
- SDDC now has tools to validate and take action to improve compliance; which should lead to improved in-transit visibility.

Establishes and validates low-side architecture and concept:

- Reporting & dashboards … drillable access
- COTS tools
- Role based permissions (granular security by user)
- Metadata to capture business rules and genealogy of what you are looking at
- Data quality (which we hope will lead to improved visibility)
- Pub/Sub access to data
- Adhoc query

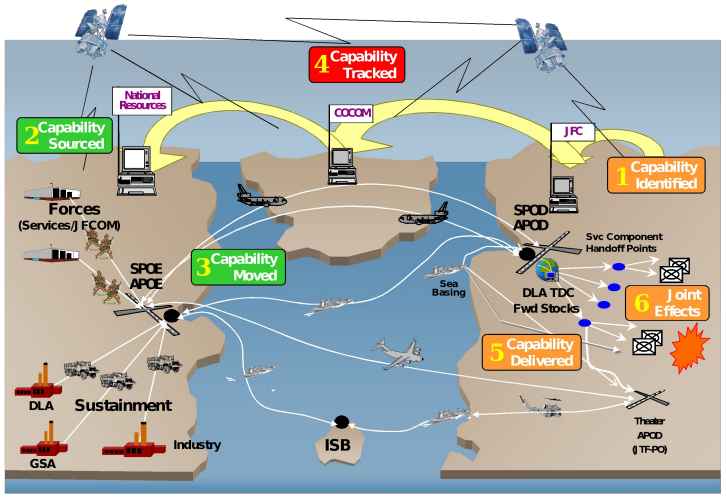


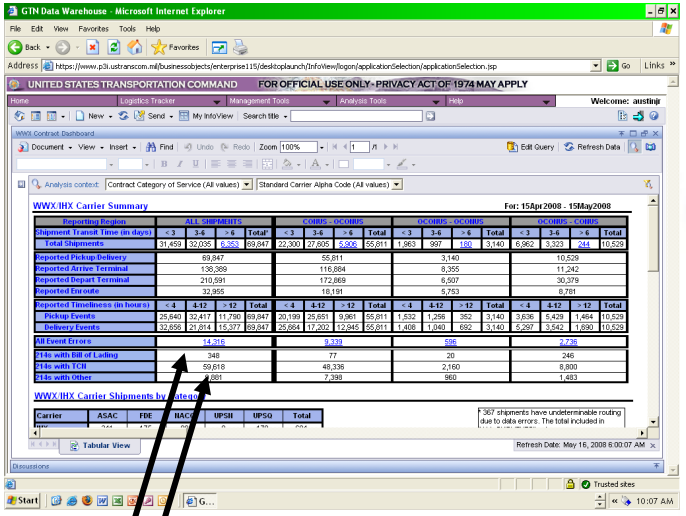
- **Data Services Available**
  - **GATES**
  - **GDSS**
  - **WPS**
  - **DAAS**
  - **RF-ITV**

- **Customer**
  - **USAF (AMC)**

- **Capability Delivered**
  - **World Wide Express / International Heavyweight Express (WWX/IHX)**

P3I WWX





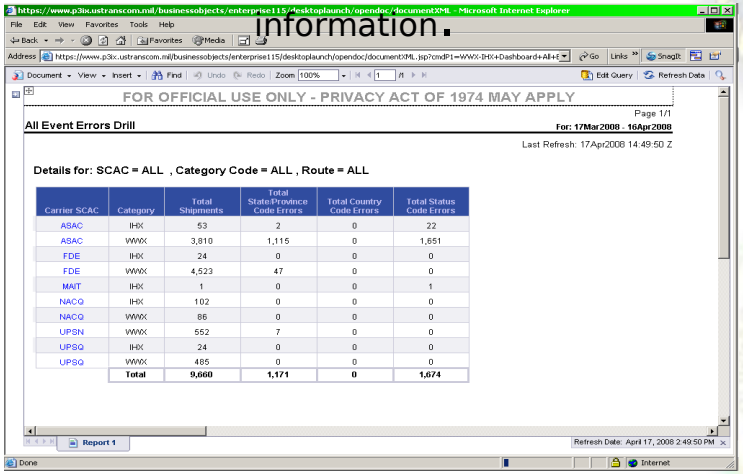
Capabilities

- An interactive dashboard with associated drills on a rolling 30 day window.
- A reporting capability on the entire data set of WWX contract information.
- Ability to perform Ad-hoc queries on both the dashboard and reports universes

Establishes and validates low-side architecture and concept:

- Reporting & dashboards … drillable access
- COTS tools
- Role based permissions (granular security by user)
- Metadata to capture business rules and genealogy of what you are looking at
- Data quality (which we hope will lead to improved visibility)
- Pub/Sub access to data
- Ad-hoc query

- ALL Event Errors for all shipments. Numbers in blue can be drilled on for more information.



All Event Errors

- **Data Services Available**
  - **CMOS**
  - **AMS-TAC**
  - **COMPASS**
  - **CEDI**
  - **IBS**
  - **CSS**
  - **DAAS**
- **New Enterprise Service**
  - **Cognos**
- **Capability Delivered**
  - **Business Decision Support System (BDSS)**
- **Customer**
  - **J5 / J8**

IGC Contracting Brief

0820 - 0840

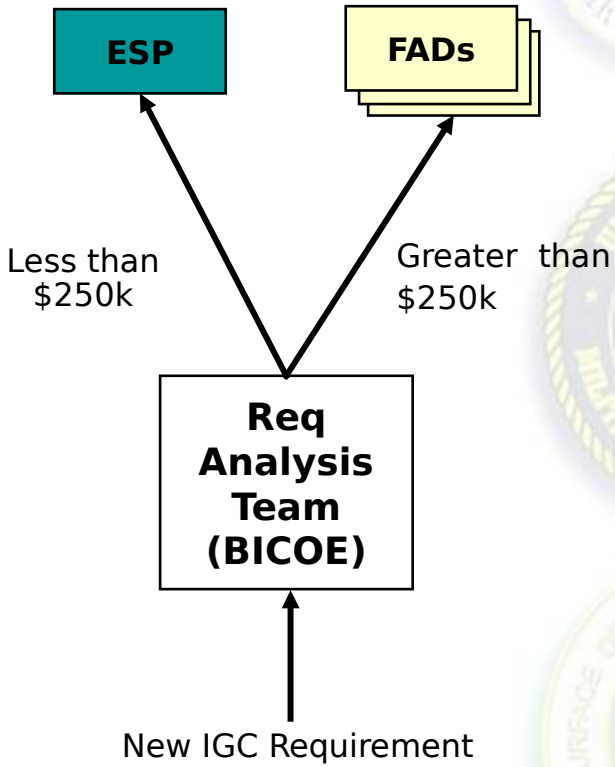
Blanket Purchase Agreement (BPA) Basics

- BPA is an agreement between the Government and vendor that specifies terms and conditions without creating an actual award
- Pricing to be in accordance with GSA schedules + negotiated discount + fixed price incentive
- Capabilities Production Specification (CPSs) will be performance-based
- BPAs were awarded to 4 firms
- Issuance of a BPA does NOT guarantee receipt of a task order
- Estimate of 10 tasks per year
- Competitive process to award task orders
- Logical follow on task/s may be non-competitive

When Do FADS Compete For Work?

- **Task Area IV Applies to "front-end" application development work greater than $250K beyond the scope of requirements documents (CPD).**

- **FADS compete when front-end development work associated with a new task:**
  - has government cost estimate greater than $250K
  - has a government cost estimate less than $250K, but the ESP proposes price that significantly exceeds government estimate
  - has a government cost estimate less than $250K, but ESP cannot accommodate government schedule or it is in the government's best interest to compete



BICOE – Business Information Center Of Excellence
ESP – Enterprise Service Provider
FAD – Front-End Application Developer

Task Order Evaluation Process

- Evaluations will be in accordance with FAR Part 8
- Technical Merit **will be** more important than price, best value determination, may include a trade off process.
- Adjectival Rating scale

Technical Evaluation Criteria

- **Technical Approach**
  - **Development Strategy-**offerors' plan for performing the development activities required to meet the Capabilities Production Specification (CPS) is integrated, meaningful with the least risks
  - **Development Schedule-**offerors' timeframe for performing the development strategy for the CPS is logical and well-defined
  - **Resources Allocation-** strategy for expertise, experience and number of resources proposed to support the development of activities required are adequate to meet the CPS

Evaluation Rating Scale

- Exceptional
- Highly Acceptable
- Acceptable
- Marginally Acceptable
- Not Acceptable

Price Evaluation Process

- Vendors price must be in accordance with the previously discounted FSS pricing however, vendors can offer greater discounts than offered in their proposals.
- All price components are to be consistent with vendors' negotiated proposals
- Vendors assumptions analyzed to determine impacts on total cost of ownership.

Contract Management Plan

- Purpose: Government will monitor contractor performance re: contract requirements and deliverables.
- Each task order will have its own plan.
- Contract Management Plan is an internal government process.
- Past performance as assessed will be part of the evaluation process for the award of future task orders

IGC Systems Engineering

IGC Systems Engineering Brief

0840 - 0900

IGC Engineering Vision

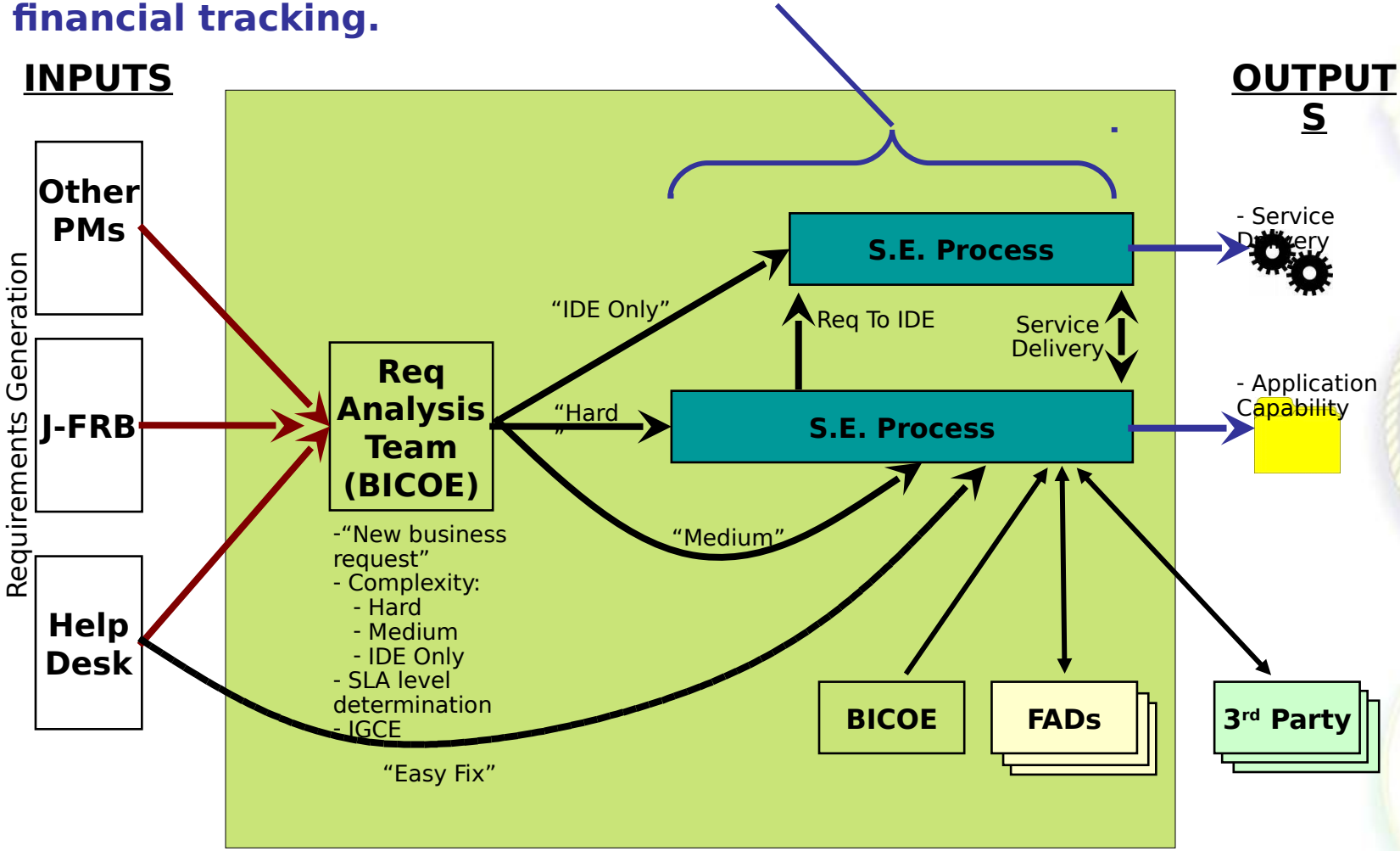
- Agility: Program capable of meeting War-Fighter requirements on-demand
- Flexibility: Program capable of leveraging best of breed solutions and emerging technology to satisfy multiple engagements (Enterprise Reuse)
- Scalability: Technical ability to support an increased operational tempo and an ever growing stream of data/information

Systems Engineering Process

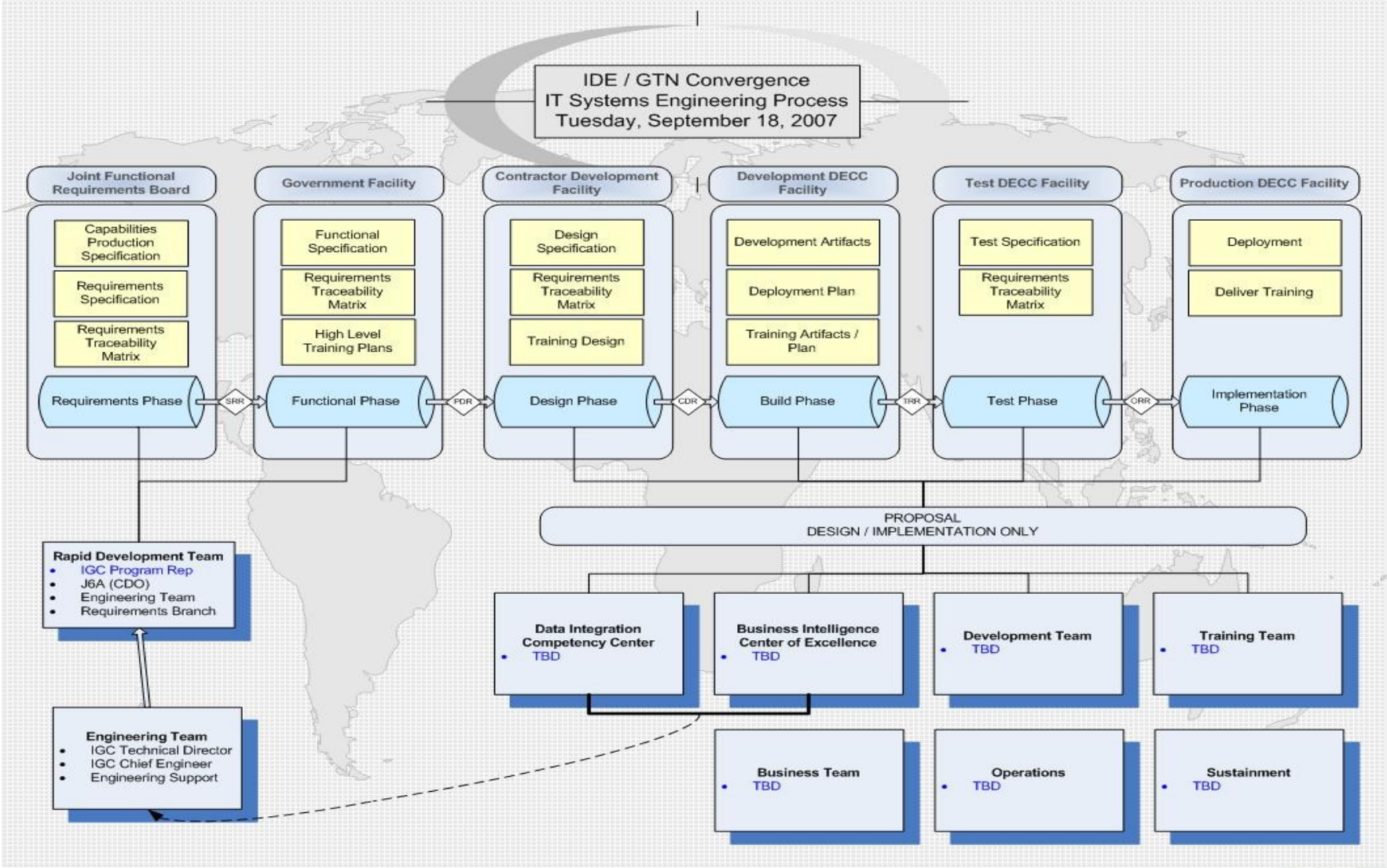
- Goals
  - Clear understanding of what is required
  - Milestones, Reviews and CDRLs commensurate with applied engineering principles
  - Increased Partnership and Collaboration
  - Clear cut path to a successful Spiral and Program

How We Need It To Work

ESP responsible for IDE/ESB and EDW engineering synchronization, configuration management, data integration, sustainment, financial tracking.

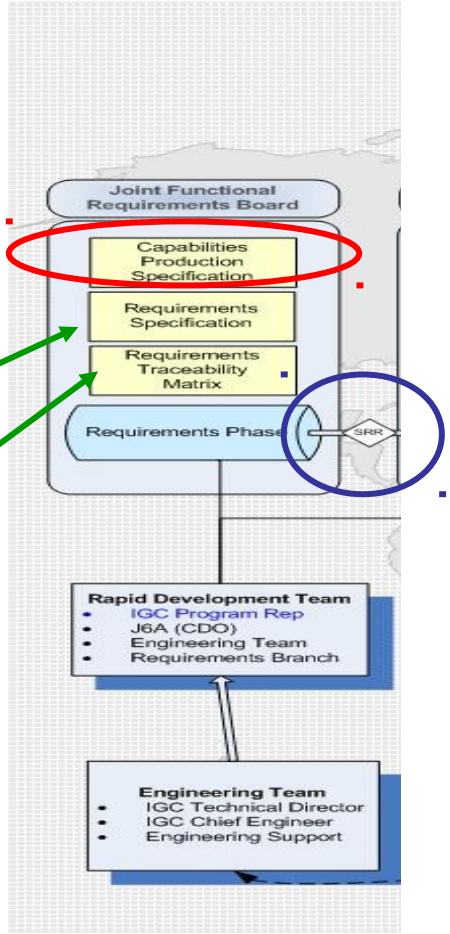


System Engineering Process



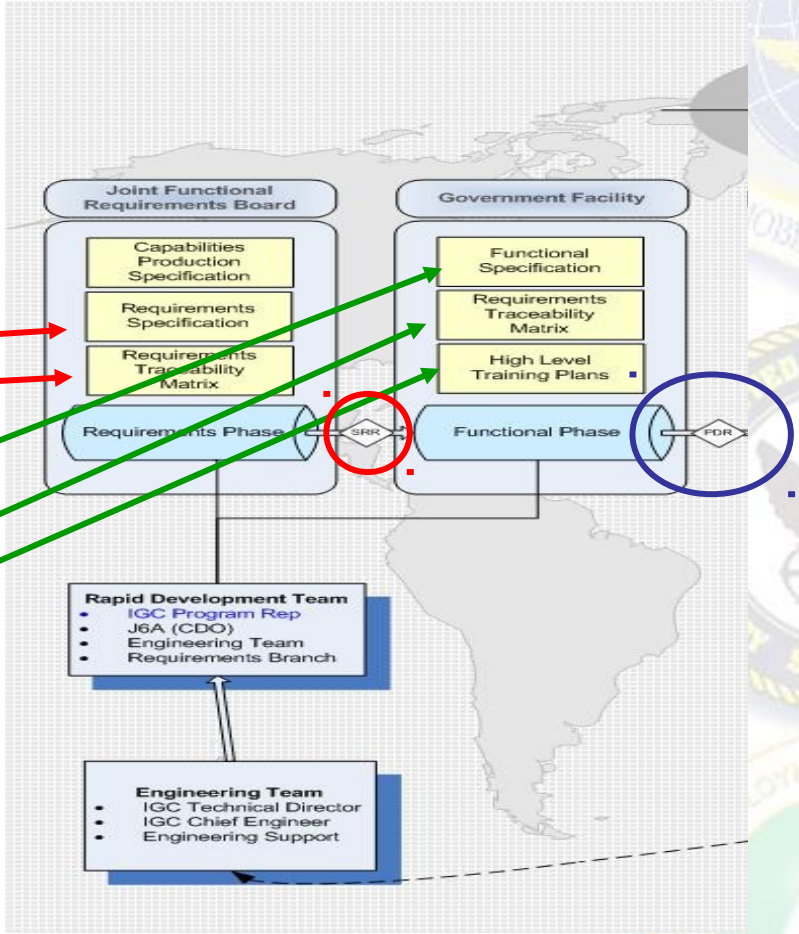
Requirements Phase

- Goal
  - Understand and define detailed requirements for delivery
- Inputs
  - Government provided Capability Production Specification (CPS)
- Outputs
  - System Requirements Specification (SRS)
  - Requirements Traceability Matrix
- Milestone
  - System Requirements Review



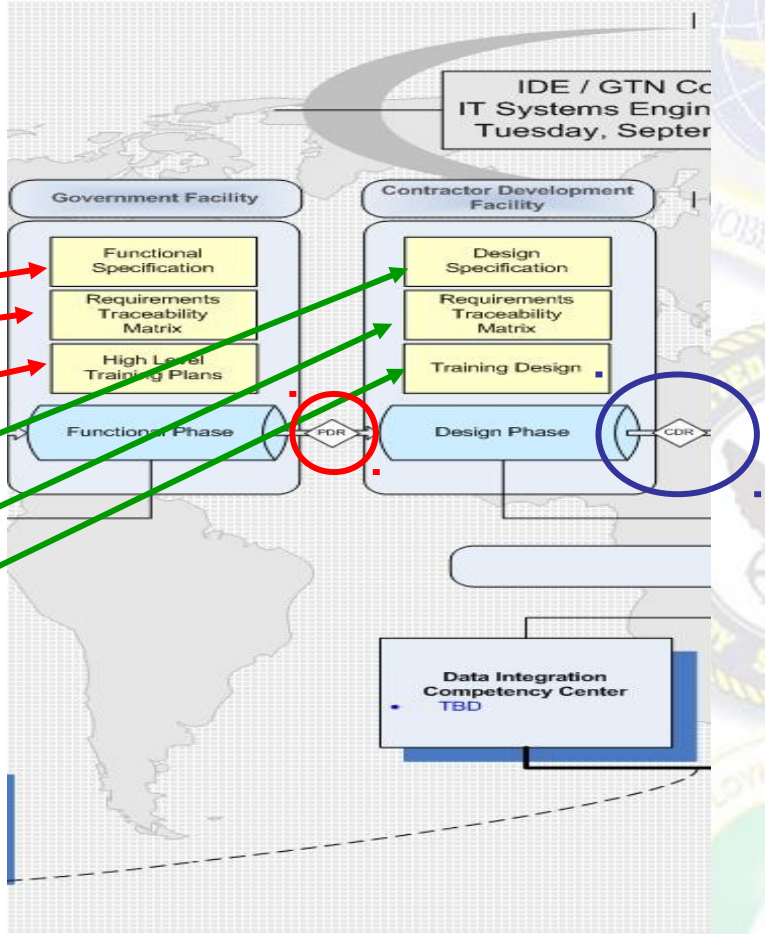
Functional Phase

- Goal
  - Detail how the system's components will meet technical requirements
- Inputs
  - Successful SRR
  - Requirements Spec
  - RTM
- Outputs
  - Functional Specification
  - Requirements Traceability Matrix
  - High Level Training Plan
- Milestone
  - Preliminary Design Review



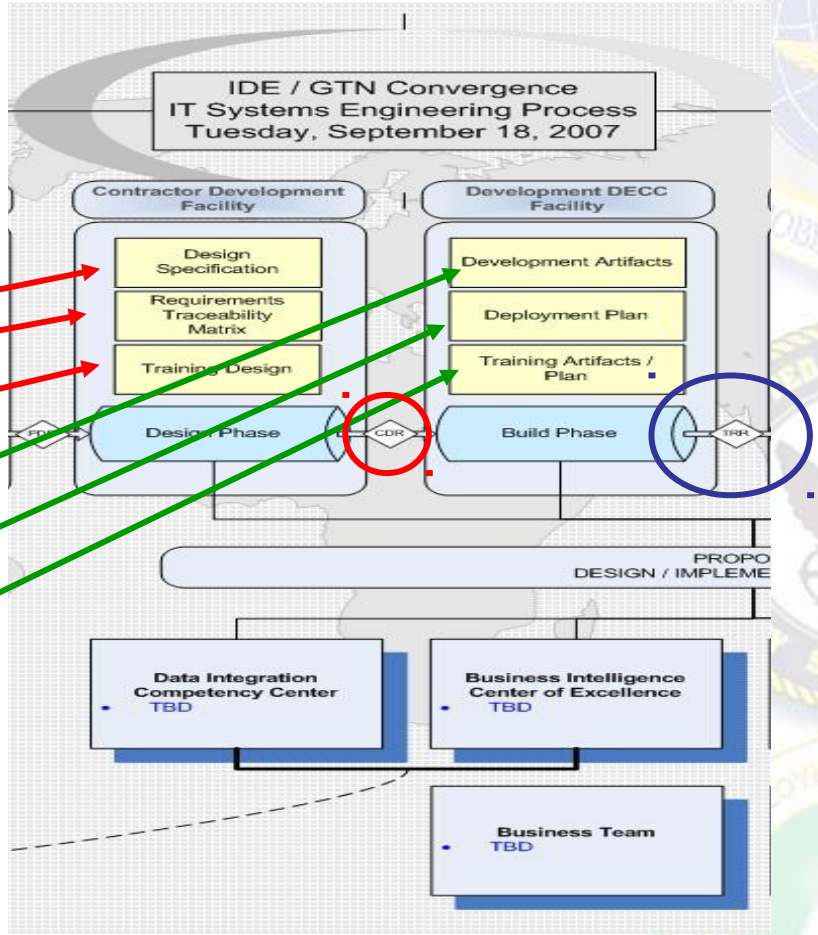
Design Phase

- Goal
  - Establish the physical designs necessary to implement the requirements
- Inputs
  - Successful PDR
  - Functional Spec
  - RTM
  - High Level Training Plans
- Outputs
  - Design Specification
  - Requirements Traceability Matrix
  - Training Design
- Milestone
  - Critical Design Review



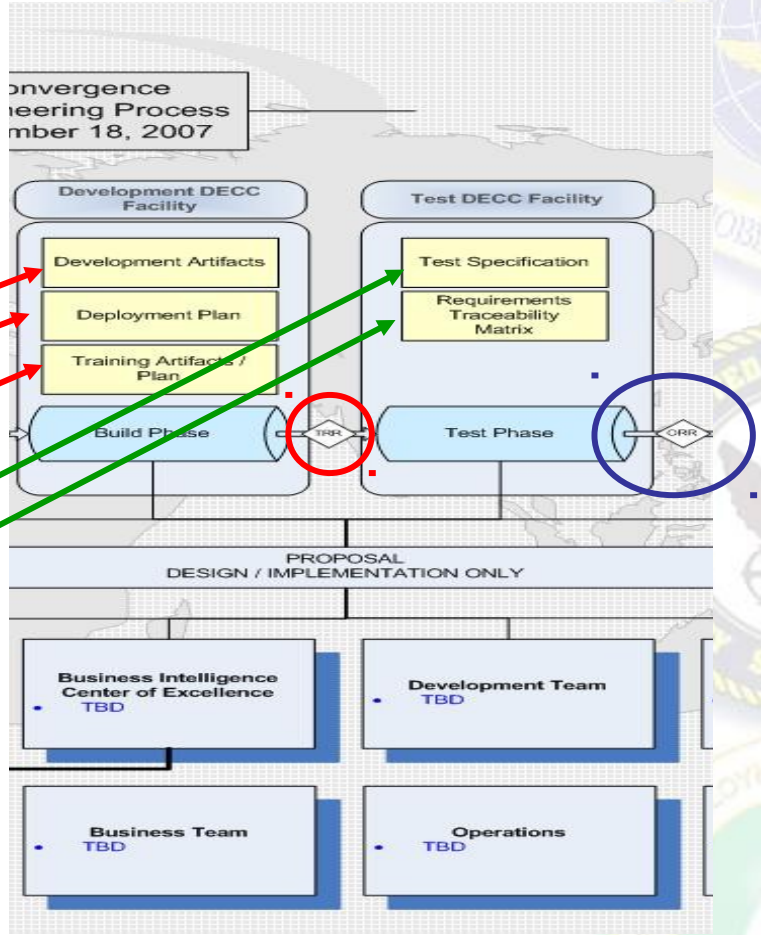
Build Phase

- Goal
  - Develop/Code the solution based upon the Government-approved Design Specification
- Inputs
  - Successful CDR
  - Design Spec
  - RTM
  - Training Design
- Outputs
  - Deployment Artifacts
  - Deployment Plan
  - Training Artifacts / Plan
- Milestone
  - Test Readiness Review



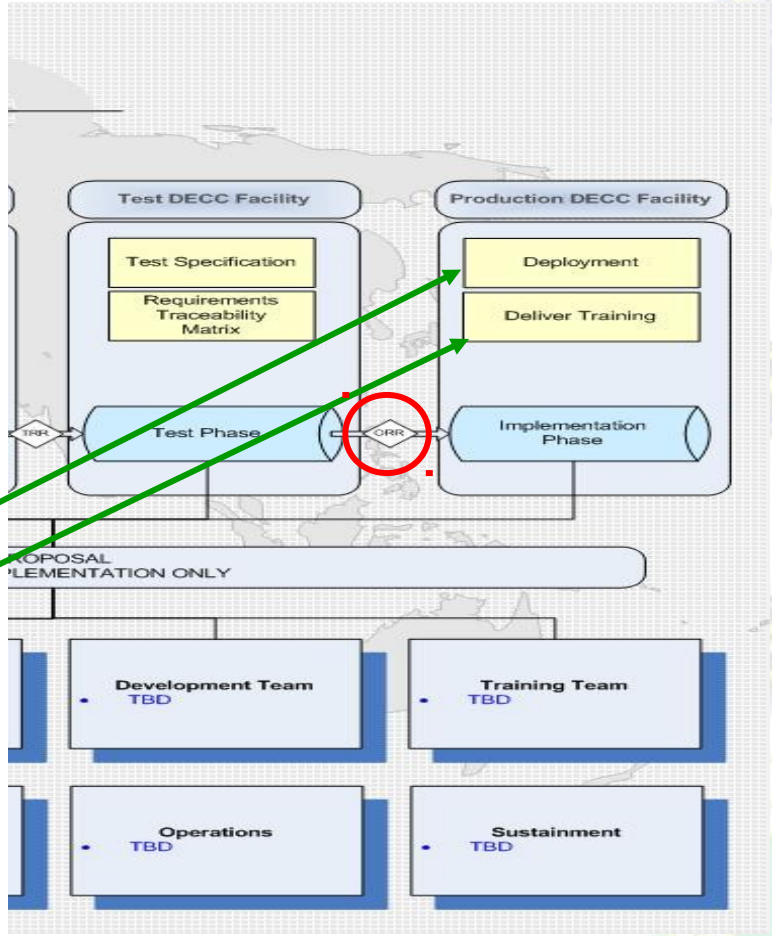
Test Phase

- Goal
  - Verify, validate, and test that IGC meets the detailed requirements as documented in the RTM.
- Inputs
  - Successful TRR
  - Development Artifacts
  - Deployment Plan
  - Training Artifacts /Plan
- Outputs
  - Test Specification
  - RTM
- Milestone
  - Operational Readiness Review



Implementation Phase

- Goal
  - Ensure the functionality is delivered and the software successfully operates from end-to-end in the production environment.
- Inputs
  - Successful ORR
  - Deployment Artifacts /Plan
  - Training Artifacts /Plan
- Outputs
  - Deployment
  - Training
- Milestone
  - Production Release



Agile Delivery & Developer's Guides

- Following the IGC Vision the ESP will be responsible for delivering, updating, and maintaining Developer's Guides
  - Dev Guides are used primarily by FAD and other government resources looking to leverage IGC enterprise services
  - The Dev Guides identifies dependencies between ESP / FAD, Milestones / Schedule relationships, and the technical solutions (standards) for FADs to develop with

ESP Considerations

Lockheed-Martin

0900 - 1000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U.S. AIR FORCE
IDE/GTN Convergence
SUPPLY CHAIN - DISTRIBUTION - OPERATIONS
DEFENSE LOGISTICS AGENCY
UNITED STATES TRANSPORTATION COMMAND
Front End Application Developer Kickoff Meeting:
18 September 2008

Today's Agenda

Welcome & Introduction

Technical Overview

Management Overview

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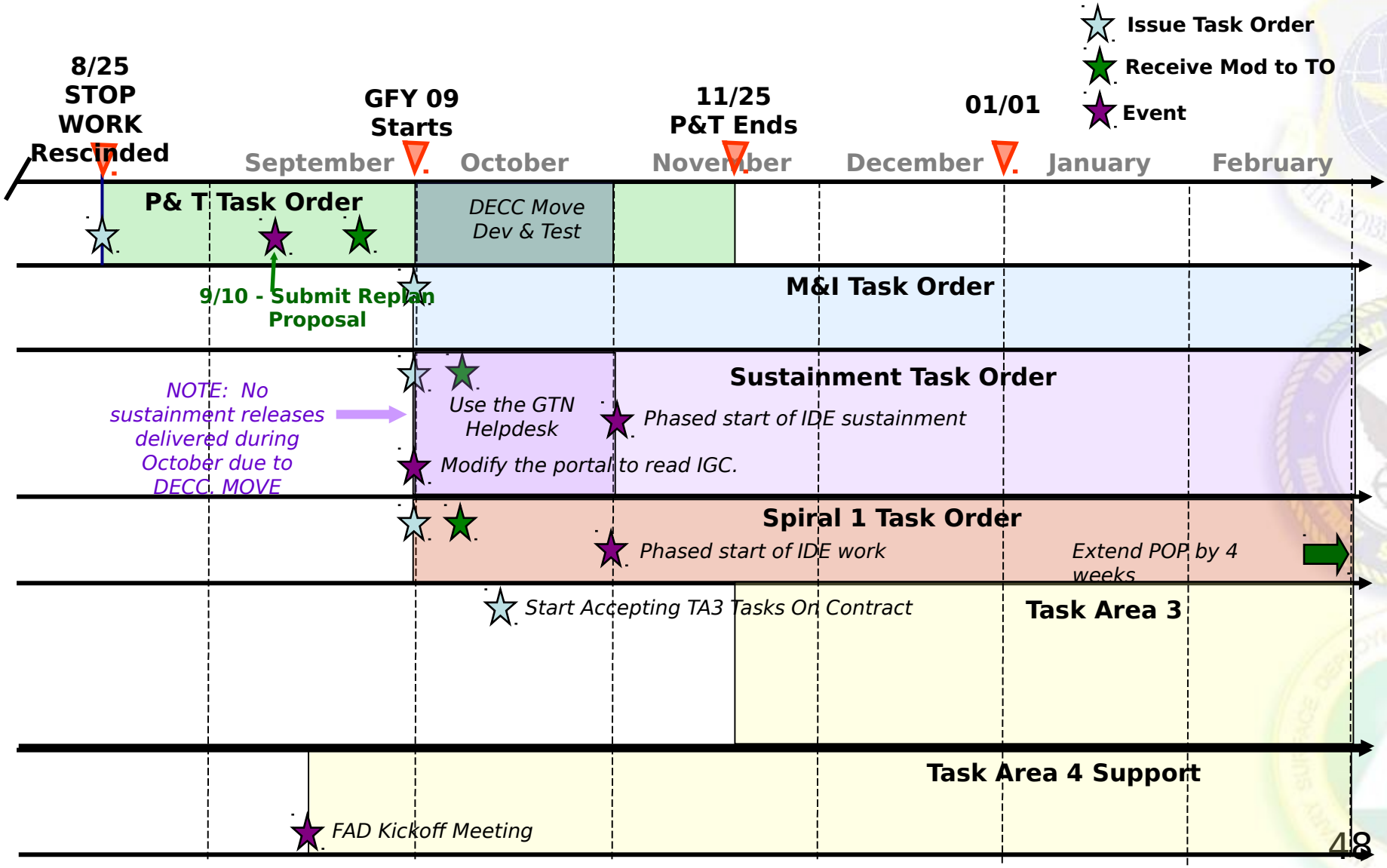
Introduction & Overview

IGC Program Manager

IGC Schedule



Team LM's Vision for IGC

Delivers Critical End to End Information to the FADs, 3rd Party Developers, Supply Chain Operators and the Warfighter

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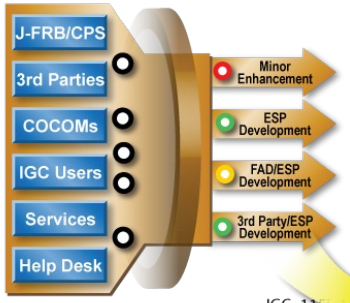
Technical Overview

Engineering Lead

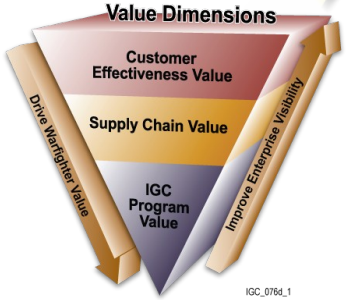
Technical Approach Overview

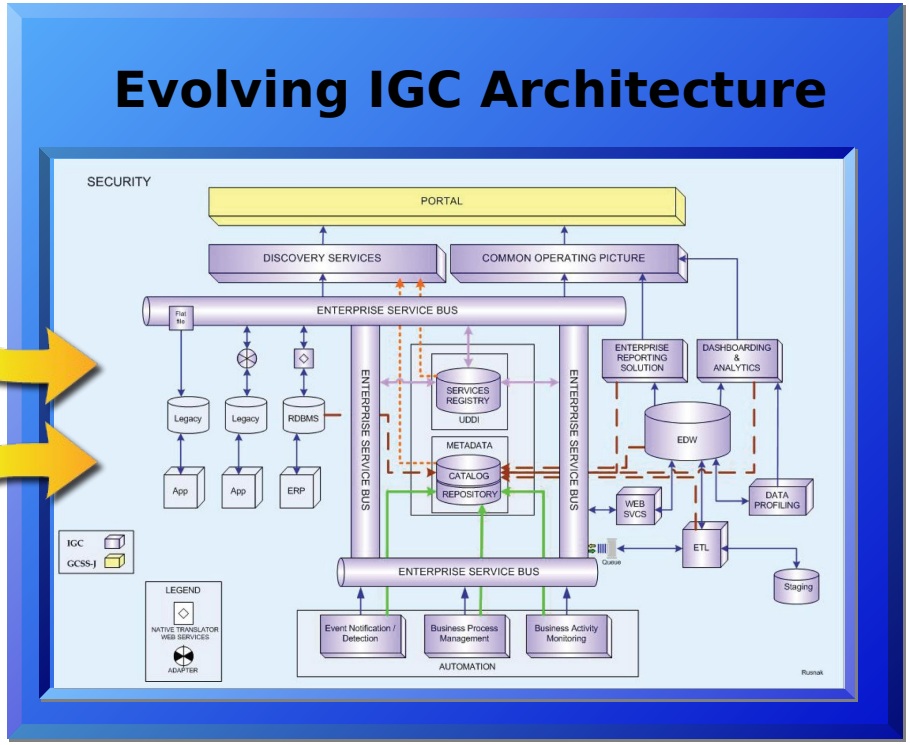
FADs & 3rd Parties

BI COE/DI CC



Value Delivery Framework



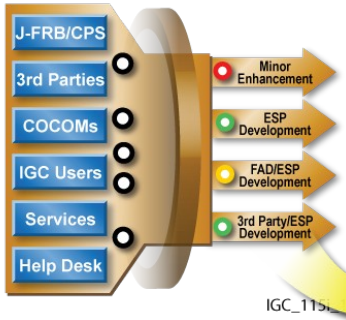


myIGC Self-Service

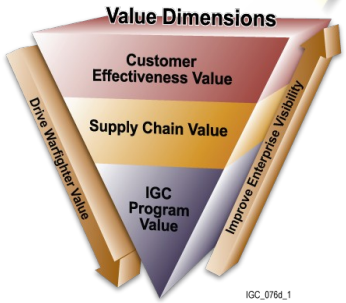
Technical Approach Overview

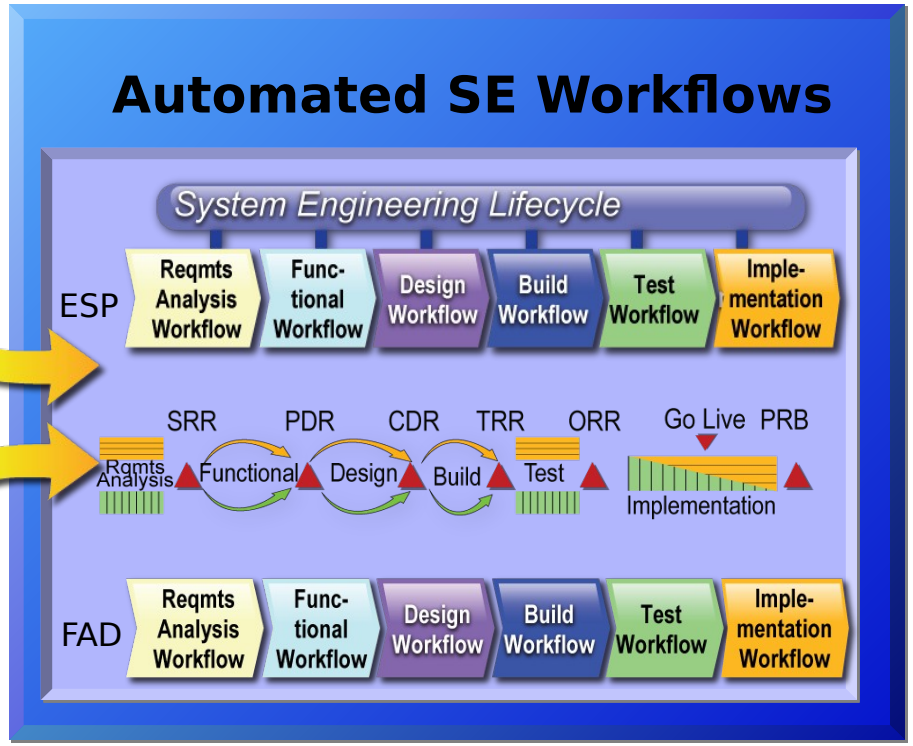
FADs & 3rd Parties

BI COE/DI CC



Value Delivery Framework

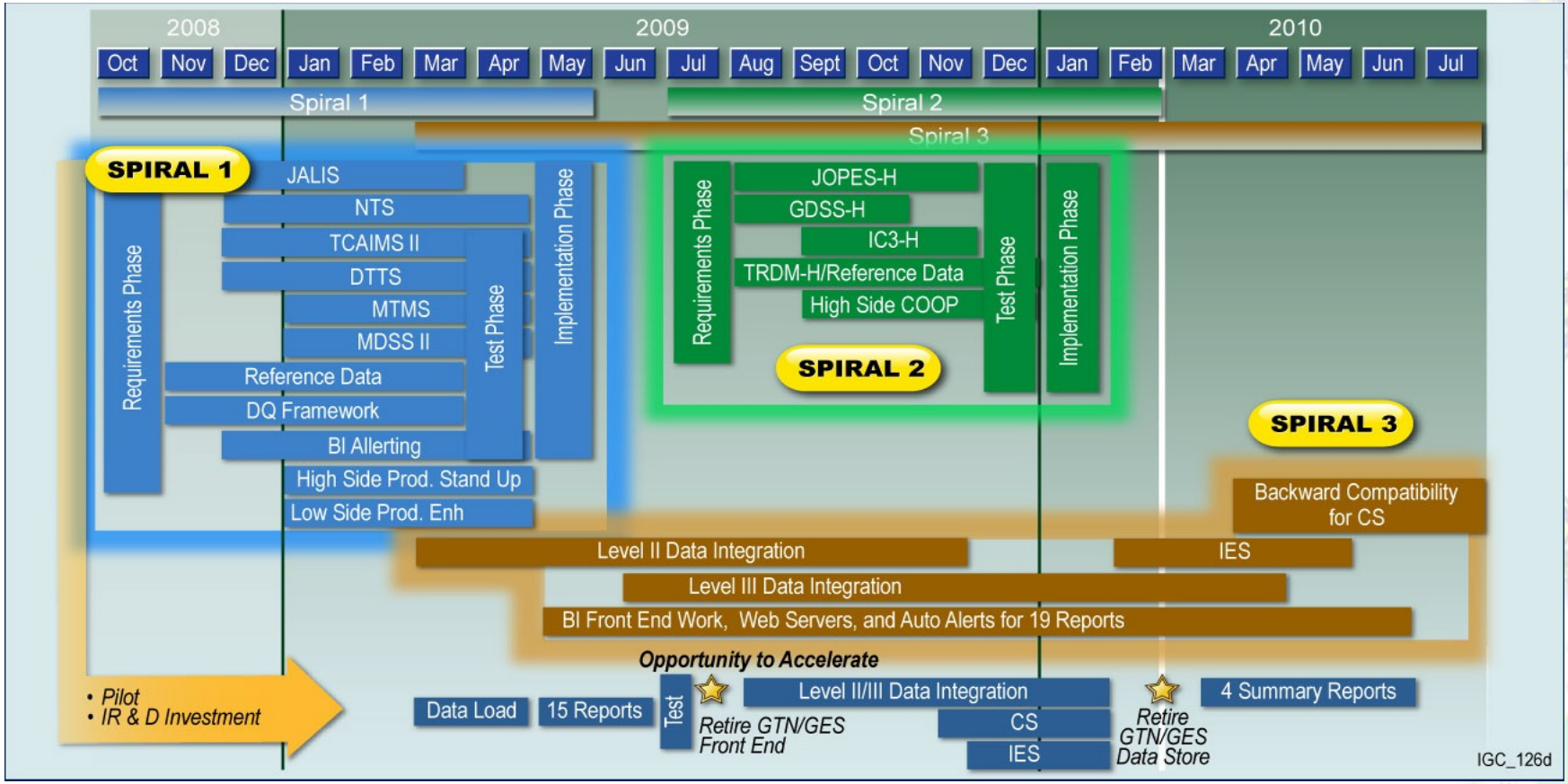




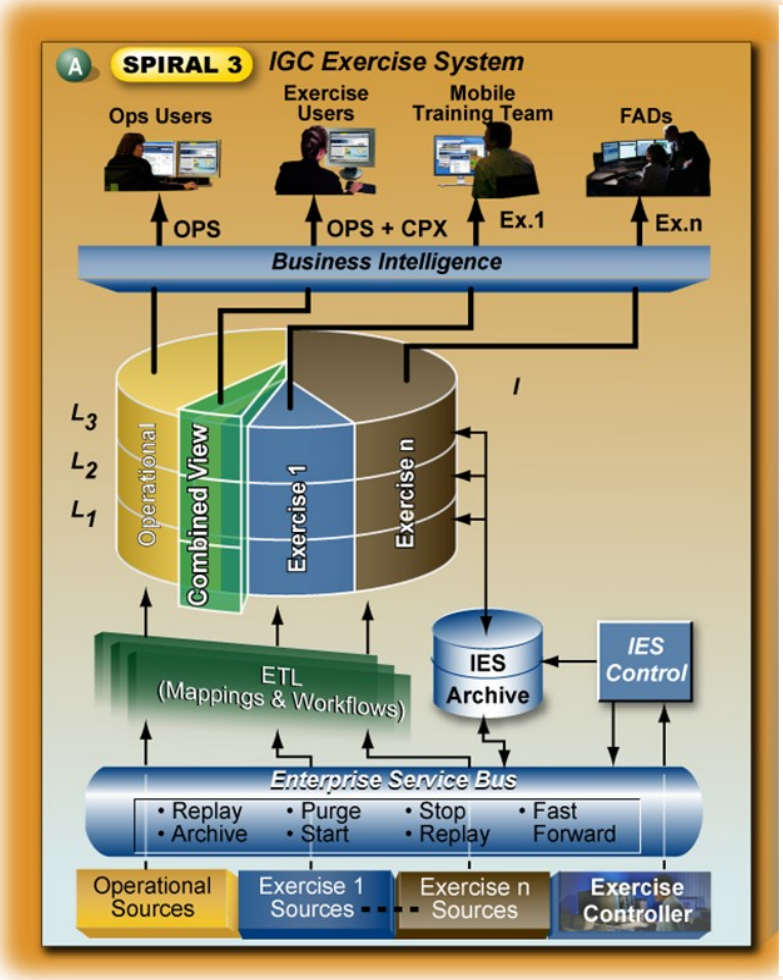
myIGC Self-Service

Tandem Task Order Execution:
Collaboration and Responsibilities

Task Area I: Build Plan



IGC Exercise System (IES)



- EDW Partitioning Supports as Many Exercises as Operationally Required
- Use of Unmodified ESB, ETL, ELT, and BI Enable All IGC Applications
- Additional Exercise Capabilities Support Training, Testing, FAD Sandboxes, and Operational Analysis

IES Capabilities Exploited to Create FAD Sandboxes

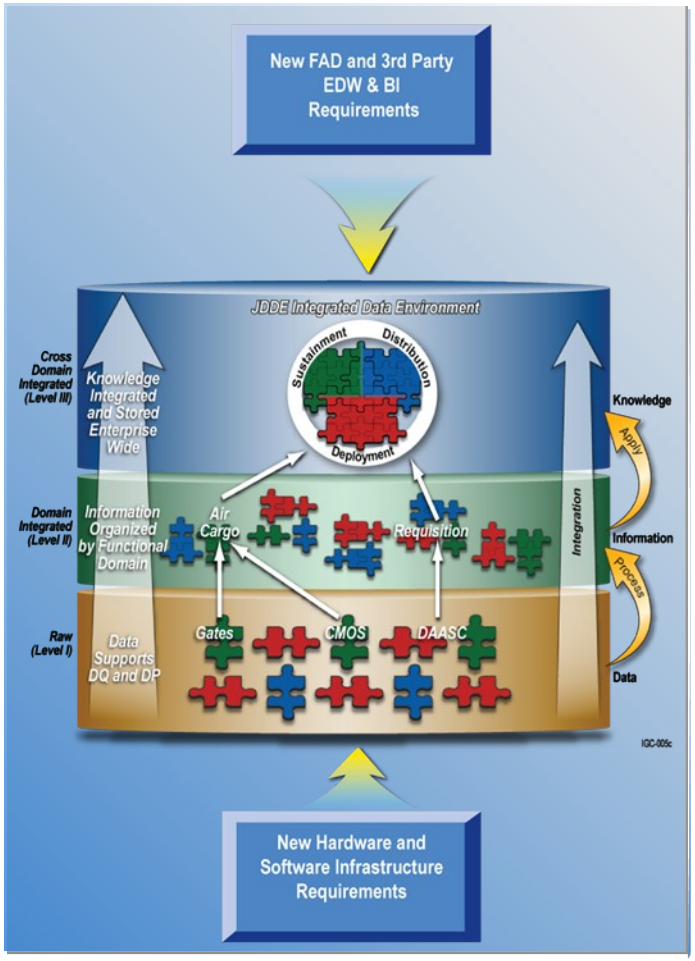
New IGC Services

- myIGC Delivers Unprecedented Data Accessibility through Self Service Capability for Users and Developers
- Enhanced Data Discovery Portal and Google-powered OneBox Search Focus Data Access
- Strong Functional and Data Management Expertise Enables Future Enterprise Data Management Solutions
- No Learning Curve, Natural Process

myIGC Framework Attracts Users and Developers to IGC by Providing Universal Access to "One Version of the Truth"

EDW Development

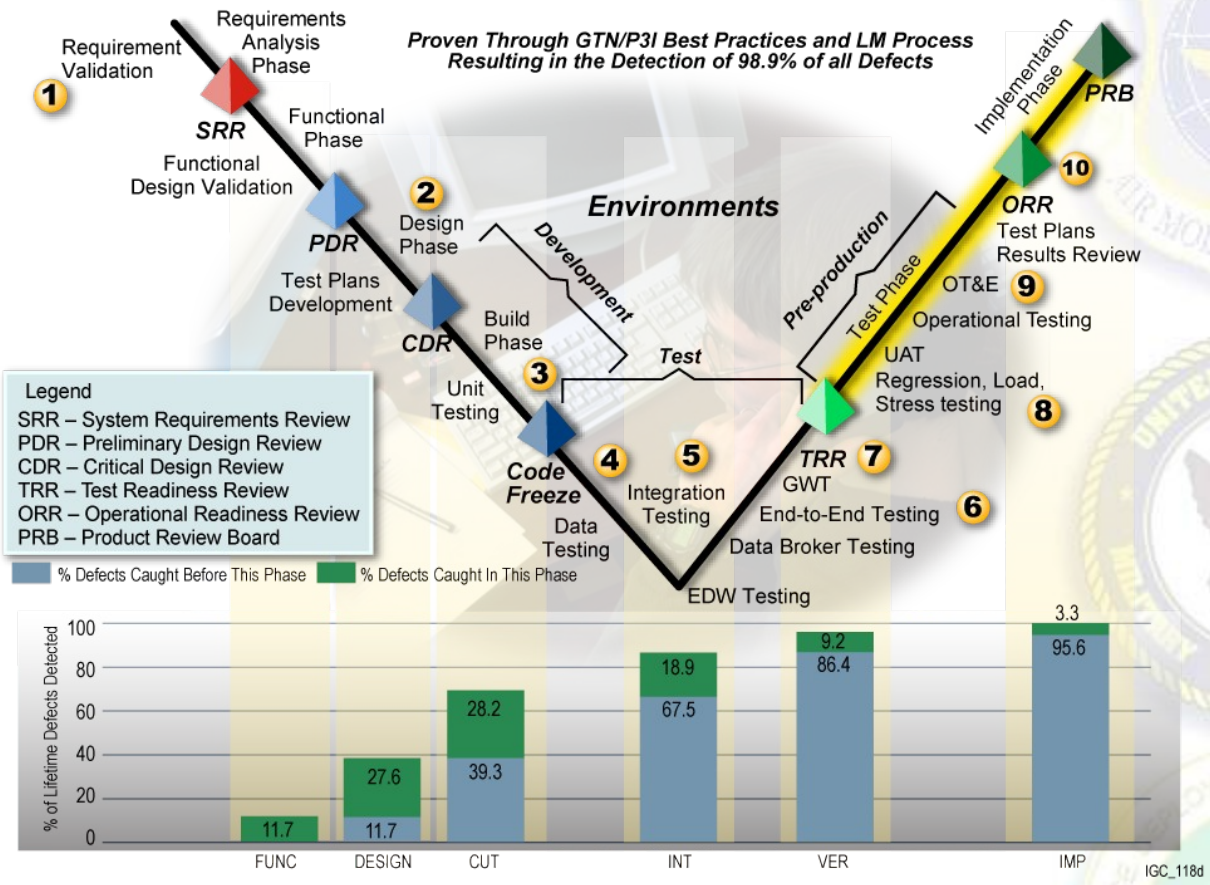
- Experienced Team w/ Teradata and BO Partners Supports FAD Development Producing Applications on Flexible Infrastructure
- Experienced in Rapidly Creating IGC Infrastructure Using SE Methodology
- Created Active Enterprise Data Warehouse which Exceeds Performance Requirements



The Right Team To Open Up New Horizons for Supply Chain Management

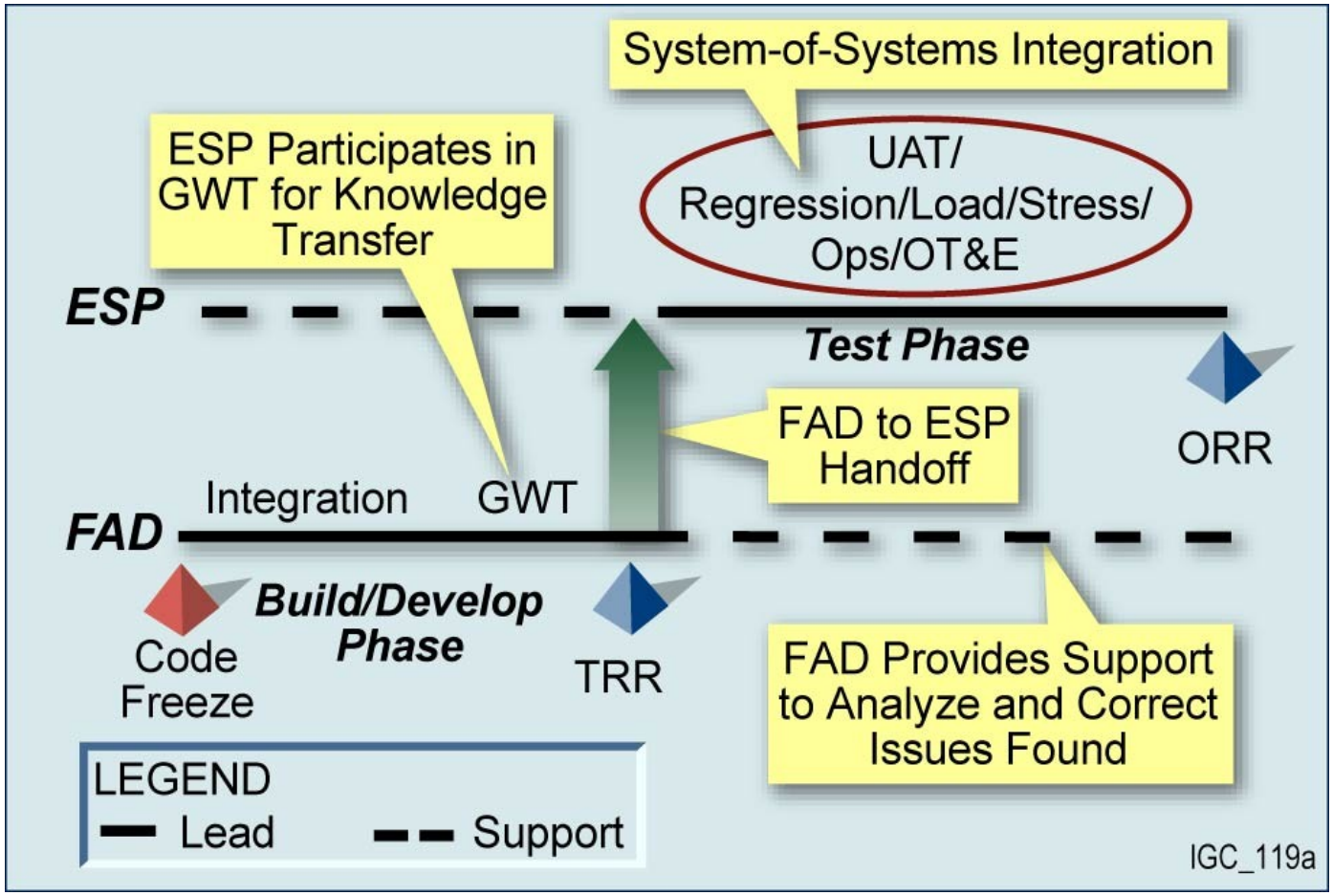
Assured Testing Results

- Consistent Testing Processes Result in < 1% Priority 1 Software Problem Reports
- Reusable Test Cases Foundation for Collaboration
- Test Team Involvement Early in Development Lifecycle Enables Early Detection



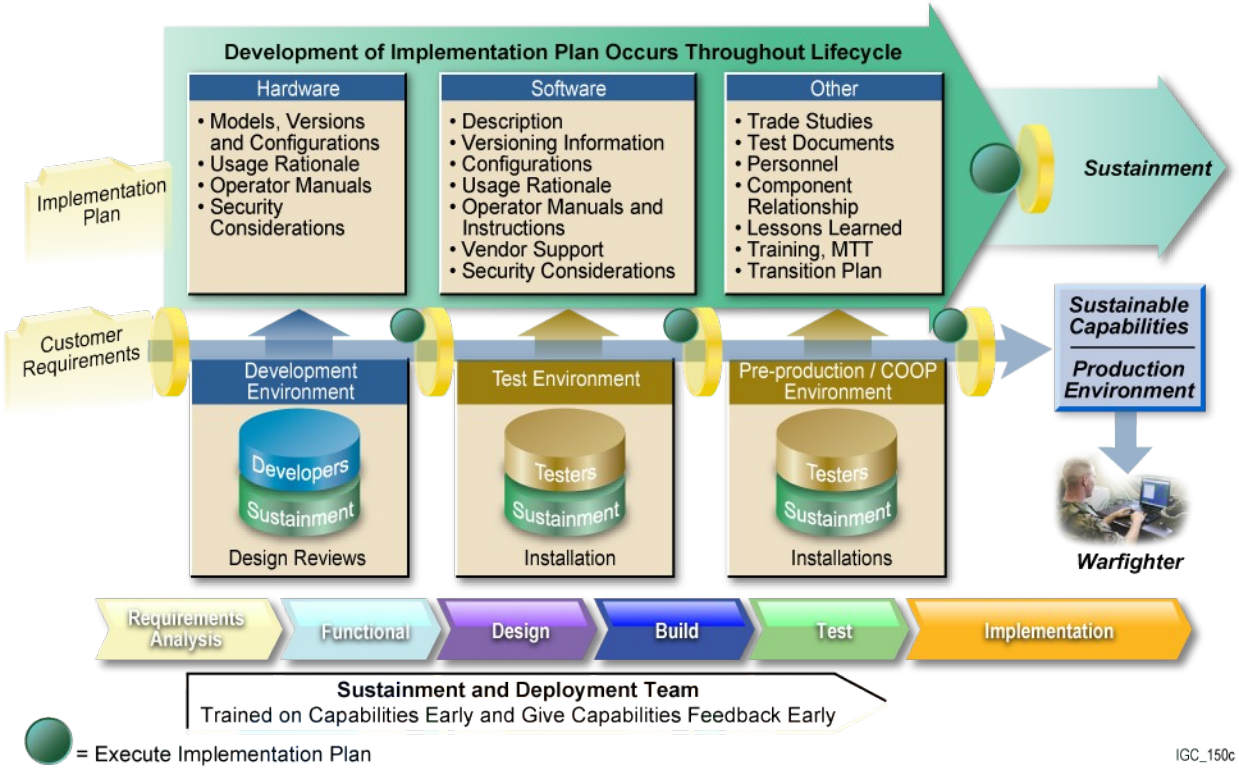
Reliability and Confidence Built Into the Lifecycle

ESP & FAD Testing Handoff



Test Methodology Designed for FAD Integration

Deployment - Implementation



- Team LM's Operational Experience with DISA DECC Ensures Seamless Deployment and Close Collaboration
- Proven Deployment Processes Have Been Updated with Lessons Learned from GTN/P3I
- Each Release is Test Deployed 3x before Go-Live, Substantially Reducing Deployment Risk

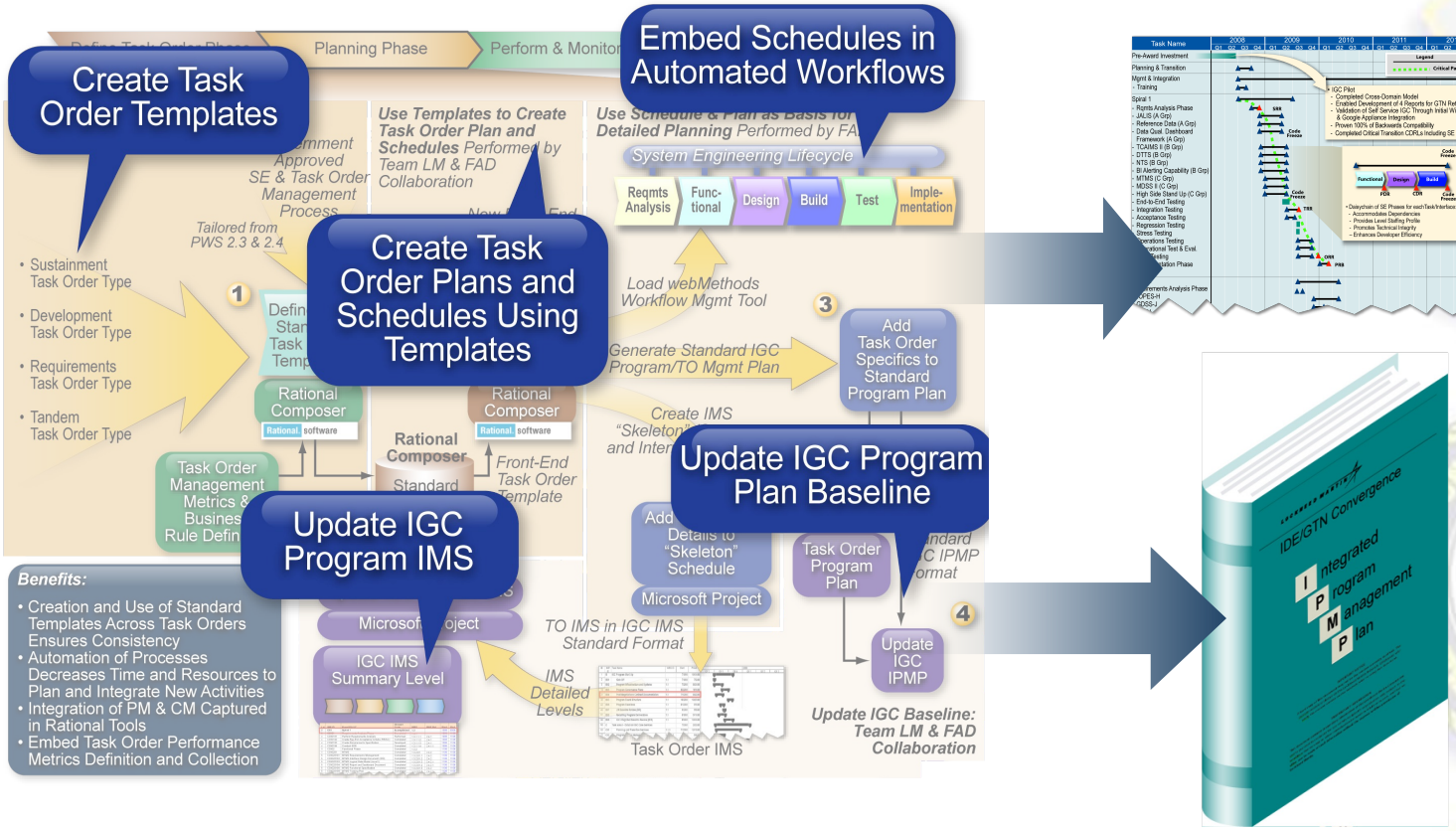
A Proven Implementation Plan Based on Successful DECC Deployments

LOCKHEED MARTIN
We never forget who we're working for®

Management & Integration

Management and Integration Lead

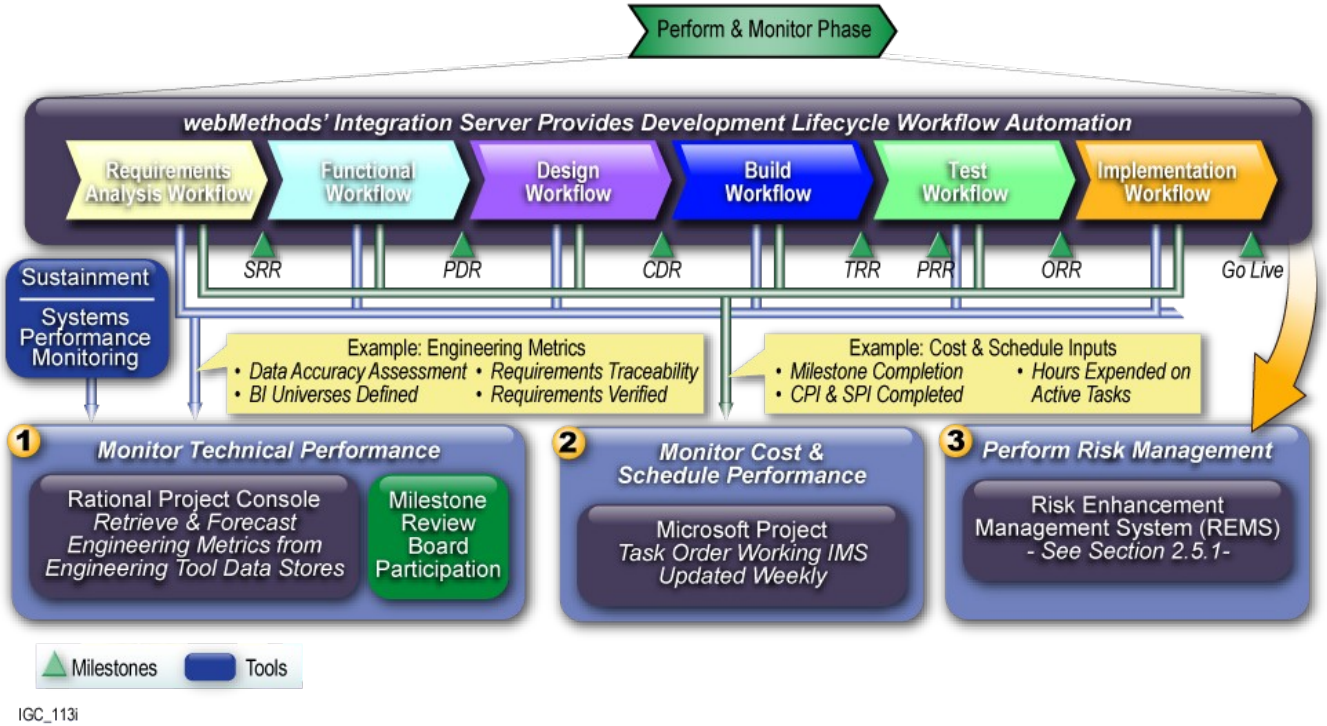
Detailed Management Process - Planning



- Jump-Starts Execution
- Speeds Process Improvement and Adoption
- Shortens Task Order Creation Time while Ensuring Consistency

Embeds Technical and IGC Partner Integration

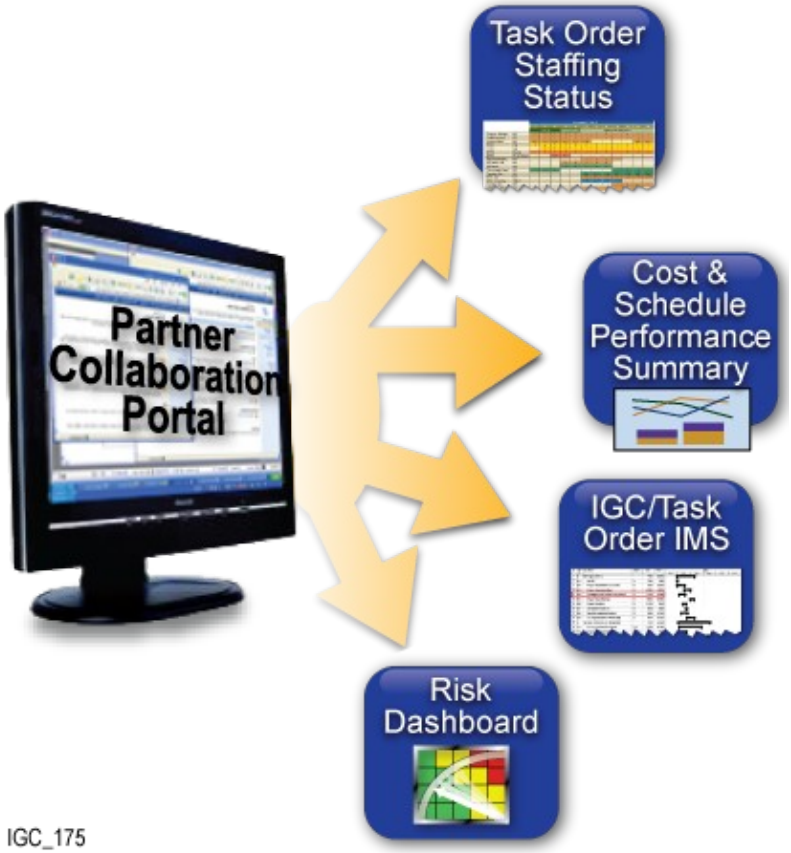
Detailed Management Process – Perform and Monitor



- Integrates Development and Management Activities
- Captures Key Cost and Schedule Performance Metrics
- Facilitates Management of Diverse Community of IGC Partners

Enables Effective Performance Monitoring of Unlimited Task Orders

Program Management Dashboards



- Provides Single Point of Access for all Critical Program Information
- Ensures Timely Delivery of Current and Accurate Information
- Reduces PM Costs and Workloads

Full Visibility of Program Performance

IGC Automated Workflows

MS Project Schedule feeds into automated workflows

Phase	Lead	Need Peer	Need ERB	Task Name
Requirements	Test	Yes	Yes	Decompose Requirements
Requirements	Test	Yes	Yes	Create RE/AC
Requirements	Test	Yes	Yes	Create Requirements Specification
Requirements	Test	Yes	Yes	Create RTM

TASKS TO BE COMPLETED

TASK NAME	ASSIGNEE	NOTES	SCHEDULED START DATE	SCHEDULED END DATE	DUE DATE	PCT COMP	PR	PR DONE	ERB	ERB DONE	STATUS	LAUNCH TASK
Decompose Requirements	Chris Beckley	Add	26 May 2008	29 May 2008	5/28/2008	100%	true	true	true	true	Complete	Update
Create RE/AC	Andrew Aslinger	Add	30 May 2008	5 June 2008	6/3/2008	100%	true	true	true	true	Complete	Update
Create Requirements Specification	Marit Luersen	Add	6 June 2008	11 June 2008	6/2/2008	100%	true	true	true	true	Complete	Update
Create RTM	Kriste Loesch	Add	11 June 2008	17 June 2008	6/5/2008	90%	true	true	true	true	Started	Update

1 - 4 of 4

Tasks grouped by lead to be assigned

Task Worksheet sent to Developer Inbox

TASK BUSINESS DATA

Get Task Information:

Task Name: Create Reference Data Logical Data Model (Level I)
Assignee: loeschk1
Start Date: 2008-04-01
Target End Date: 2008-04-07
Percent Complete: 0

Notes/Instructions from Lead:

Update Task Status:

Enter a number between 0-100 that represents the percentage of completion for the task. Please note that a task is only 100% done when all required reviews are completed. When the task is 100%, the Complete button at the bottom will be enabled.

Percent Complete:

Update Status

Reviews Required:

Peer Review Required: true
Peer Review Done: false
ERB Required: true
ERB Done: false

Peer Review | ERB

Links for Current Task:

FAD Presentations

BAH

1015 - 1035

Team Overview

Front-End Application Development (FAD)

O'Fallon, IL
18 Sept 2008

Content

- Our Team
- Approach and Highlights
- Relevant Experience
- Points of Contact

Booz Allen Hamilton is an experienced management and technology consulting firm with proven success in both government and commercial practices

Booz | Allen | Hamilton
90 years delivering results that endure

- Since our foundation in 1914, Booz Allen participated in more than 60,000 projects for over 10,000 clients across 75 countries
- Over the last century, Booz Allen continued to grow and evolve from its initial offerings as a general management consultant to its current position as a leading provider of strategic, operational, and technological services
- Booz Allen has longstanding involvement with programs spanning the entirety of the JDDE. We are committed to bringing our full range of thought leadership, strategic planning and technical expertise to support IGC through FAD activities

Three organizations were added to the team to broaden mission insights and technical sophistication

Team Member	Key Capabilities for IGC FAD
STANLEY Asynchrony solutions	• Supporting USTRANSCOM since 1995, providing business process improvement, systems development, and technical support. • Performance on USTRANSCOM engagements including the Voluntary Intermodal Sealift Agreement (VISA) program; the GTN Data Quality program; functional support to GTN and GTN 21; Science and Technology (S&T) program office support; DPO Business Process Improvement (BPI) program; functional support to the Distribution Portfolio Management (DPfM), and Distribution Transportation Coordinator Initiative (DTCI)
bea	• Provides architecture and data interoperability assessments for various programs including JC2, GTN, JOPES, TMDS, CAMPS, and others for compliance with the Net-Centric Enterprise Services (NCES) model • Recognized experts in Service-Oriented Architecture (SOA), NCES, and web services development • Partner with Booz Allen on Agile development projects at USTRANSCOM and DFAS
	• Provides the enterprise application software foundation and best practices for SOA, enterprise integration,

The Booz Allen Team will bring an operating model emphasizing responsiveness and partnership across the IGC enterprise

Our FAD solution is centered around four core value propositions:

Value Proposition	How the proposition adds value
Deep Mission and Domain Understanding	Our operational insights will provide a “force multiplier” when developing mission applications to support the Warfighter
Agile Development	This proven approach will quickly deliver working software, while minimizing risks inherent in the software development process
Management Integration	Our integrated management processes, tailored to an Agile development approach, will ensure on-time, on-budget, and high quality performance
Partnership	We will work as integral partners with IGC

Our team brings a full range of capabilities and experience to our FAD support

- Application Development
- Core Enterprise Services
- Distribution and Logistics Requirements Management
- Service-Oriented Architecture, System / Service Engineering
- Business Intelligence
- Information Assurance, Security Engineering

FAD Presentations

EDS

1035 - 1055

DLA IGC FAD Kick-Off: Introduction to Team EDS

Team EDS' Business Intelligence Expertise

- *A Business Ally You Can Trust*
  - EDS has more than 20 years of expertise in rapid implementation of tailored successful business intelligence solutions.
  - Proven development and implementation methodology that significantly reduces risk and enables rapid solution delivery to time, cost & specification creating significant confidence and value for our customers
  - Demonstrated ability to work in partnership with customers and Enterprise Service Providers to ensure a successful outcome for the mission
- *Corporate Resources*
  - EDS has over 1,500 Global BI resources (not including HP or our teaming partners)
  - $3.5B in annual R&D
  - Team EDS has direct access to the Business Objects & COGNOS developers, development labs and key resources to ensure delivery of robust solutions and priority issue resolution
- *Proven BI Expertise*
  - EDS has successfully completed over 2,700 BI engagements over the past 3 years to over 400 clients
  - Deep industry experience includes healthcare, government, manufacturing, financial services, communications, transportation, retail etc.

Team EDS – Unparalleled Reachback

EDS Team Member	Value Add	Relevant Core Competencies
Business Objects	Technology Expertise and USTranscom Knowledge	Technology and consulting expertise
COGNOS	Technology Expertise	Technology and consulting expertise
GeoDecisions	USTranscom knowledge	Professional services in support of Geospatial information integration and decision making
OLGOONIK (Native American 8a)	BI Services Expertise and DLA Knowledge	Professional services for Business Intelligence requirements
VICCS (WOSB, HUBZone)	BI Services Expertise and DLA Knowledge	Professional services for Business Object requirements.
MaxiSoft (WOSB)	BI Services Expertise	Provide Business Objects and COGNOS expertise

Questions?

FAD Presentations

FSG

1055 - 1115

We can help you decide which way to go!

the federated software group, inc.

The Federated Software Group, Inc.

FSG Overview

IGC FAD Proposal Highlights

Major Programs

Questions

FSG Overview

About FSG

- Small company formed in 1992
- Located in St Louis area
- 145 Employees
- Low 5% turnover
- Customers
  - Air Mobility Command
  - USTRANSCOM
  - USJFCOM
  - DLA
  - Air Force Reserve Command
  - USPACOM
  - US Navy

Employees' previous experience:

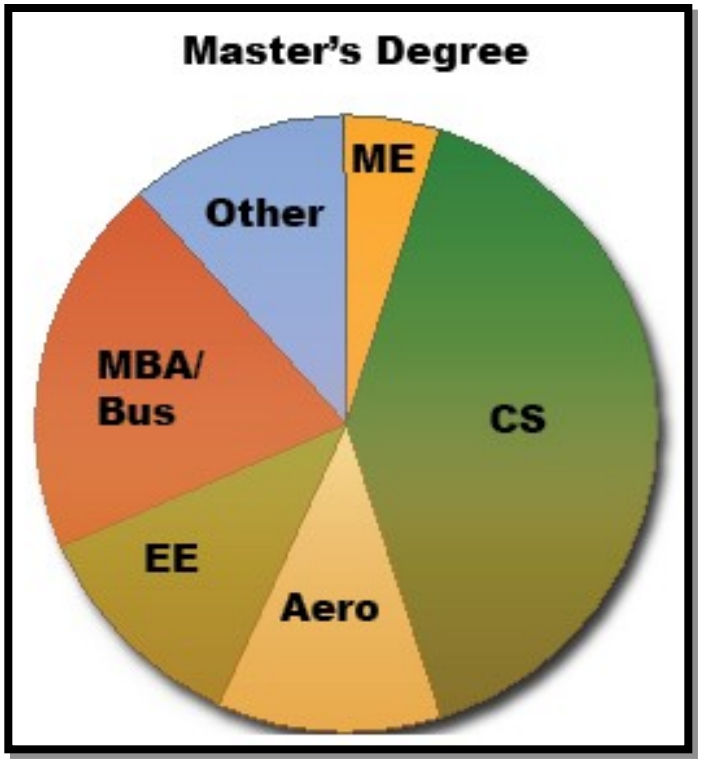
- Digital Equipment Corporation
- McDonnell-Douglas
- Boeing
- Air Force, Army, Navy, Marines
- Emerson
- Universities/Research Institutes
- Federal Reserve
- 3M
- Southwestern Bell Telephone
- Master Card
- NASA
- Arthur Andersen
- Other prime contractors

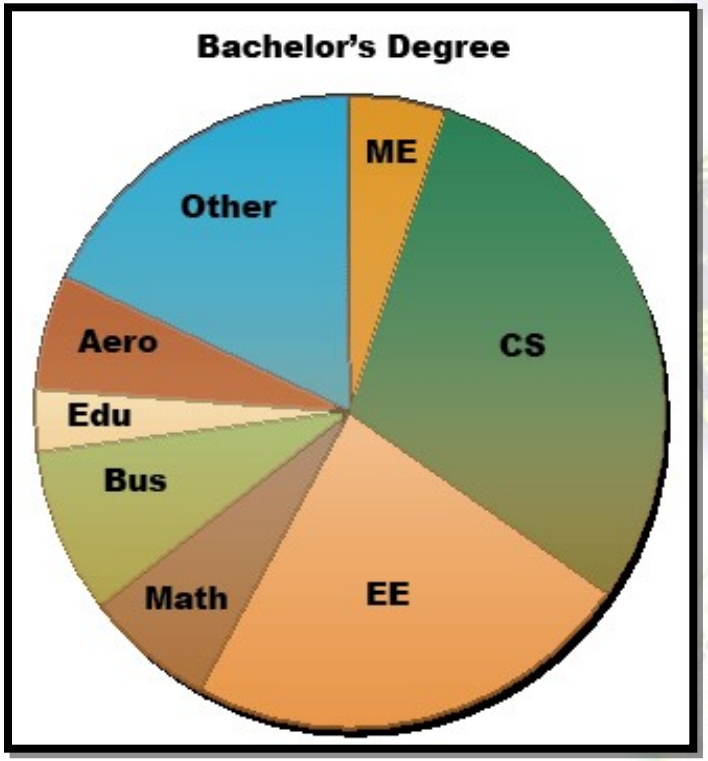
Focus of expertise:

- Average 17.3 years post graduate experience
- Engineers
- Functional experts (flight crew members, logisticians, soldiers, transporters)
- Program/project managers
- Technical writers and trainers
- Ten Usability Analysts on staff, certified by Human Factors

Education:

- 45% of employees have Master's Degrees
- Two PhDs on staff





FSG Strengths

Primary:

- Software development
- Architecture
- System integration
- Program management

Secondary:

- Training
- Software maintenance
- Security testing/evaluation
- System administration
- Database administration
- Requirements analysis
- Penetration testing
- Usability analysis and testing

Project Characteristics

- Flexible but formal development processes
- Latest proven development tools and languages
- Close interaction with the customer
- Joint Application Development/Rapid Application Development (JAD/RAD)
- Spiral development and delivery
- Formal internal testing
- Flexible customer testing
- Usable system documentation
- Task oriented product training
- Solid project management

IGC FAD
Proposal Highlights

- FSG on only the FAD portion of IGC
  - We fit into the FAD area of the IGC community

- Together, the IGC development community and government must quickly identify and publish user-interface style guidelines

- Don’t wait until task order to involve FADs
- Recommend FAD’s involvement from Day One
  - Enables FAD’s to respond more quickly
  - Enables ALL team members to provide input
  - Leverages FAD’s domain knowledge of DLA and USTRANSCOM
  - FADs able to help define, test, and refine the business process and environment used to build test and deploy capability
  - FADs can help identify transformation and business logic requirements

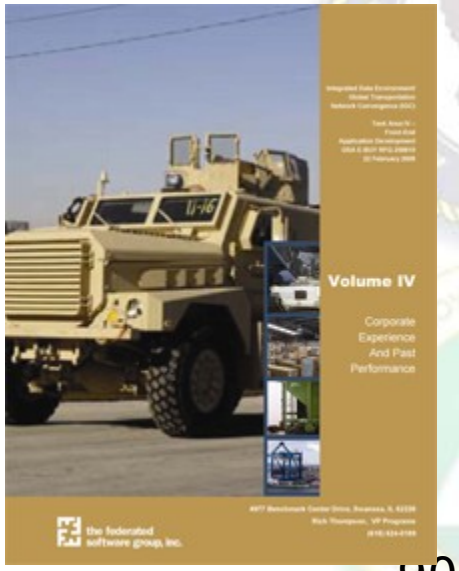
- To be successful for our customers, all IGC partners, ESP and FADs alike, will need to maintain an accurate an up-to-date understanding of the state of the IGC databases, universes, information feeds, information disclosure rules, business rules, and web services
  - Maintain an open exchange of ideas
  - Leverage the knowledge of all
  - All involved in program reviews
  - To maintain situational awareness of:
    - Development status
    - Issues
    - Updates to processes and procedures
    - Desires of the government

- Any unique information processed for one FAD will likely be required of another later, so by enforcing processing in the shared data layer (Teradata warehouse) those algorithms are built once and shared often
  - No proprietary data within IGC

- Recommended common tools and processes used by both ESP and FADs
  - So that processes are transparent within IGC program team members

- Qualities that enable a federation of IT professionals to perform in concert are:
  - Open, professional and timely communications
  - Common standards for requirements, analysis, software, performance, visual interfaces, security and documentation
  - Storage of program artifacts in a central repository
  - Sharing of information
  - Company-to-company Memoranda of Agreement
  - Corporate Leadership Commitment to the common customer

- A central repository, shedding the “rice bowl” approach to intellectual property



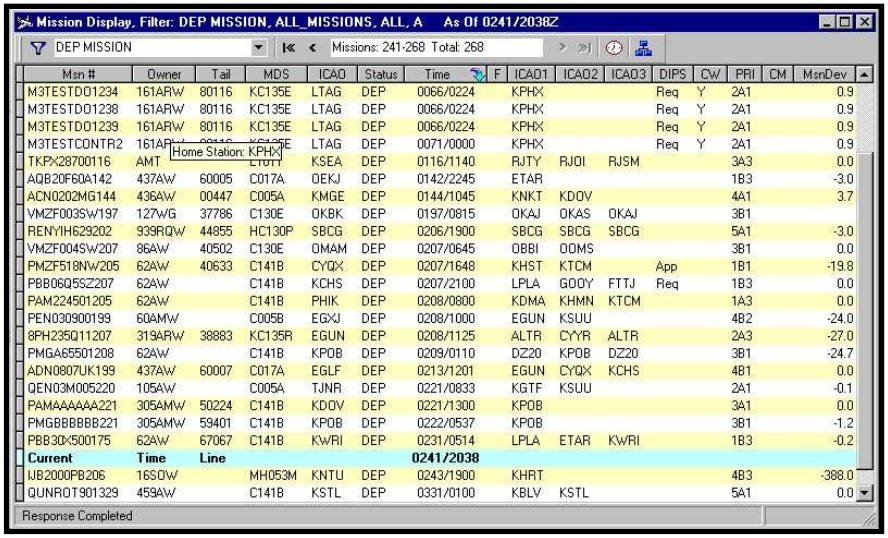
- Our experience in developing front-line applications to manage the USTRANSCOM enterprise brings value to FAD development.
  - We know our customer's expectations for high-performing tools that visualize accurate reliable data

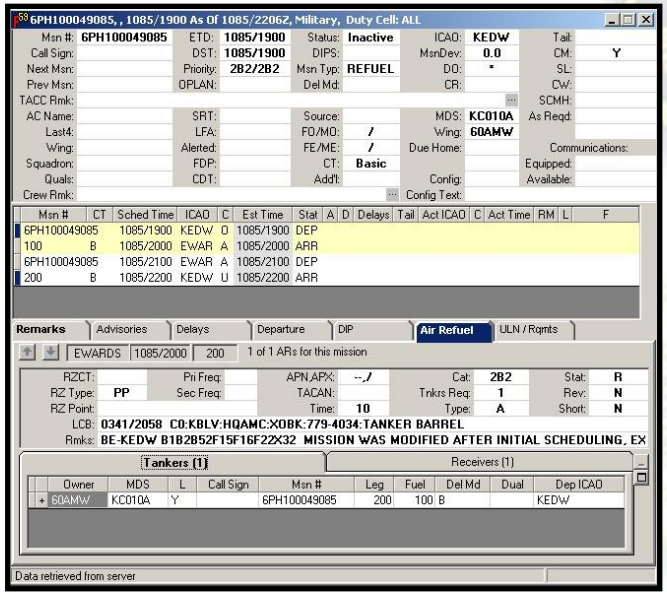
- The phrase "team player" can never be overused, and the IGC must be a team of team players
  - The fair and open exchange of ideas within IGC will shepherd the program's success
  - Full participation of the FADs starting on day one will enable this

Major Programs

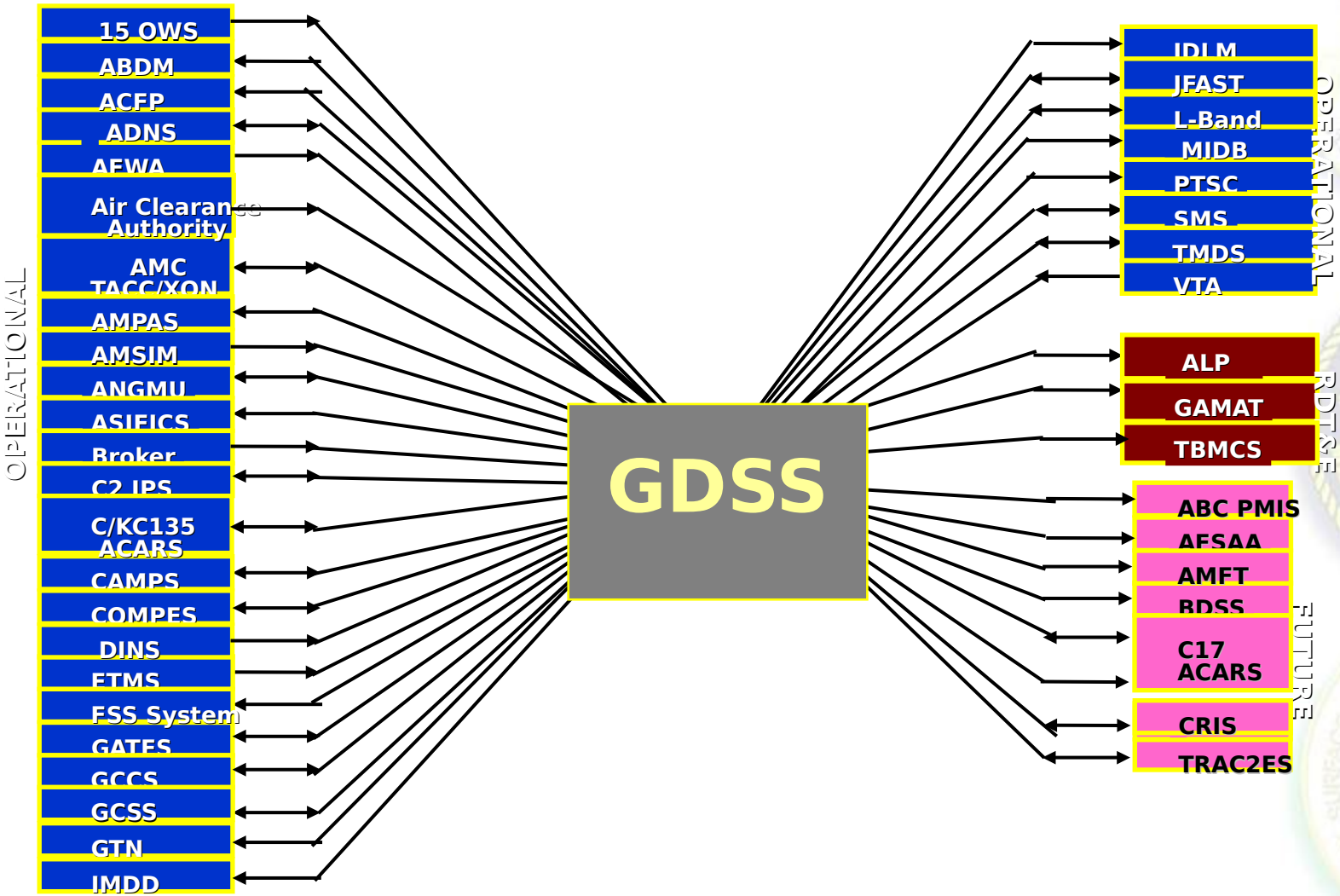
Global Decision Support System – GDSS "Legacy"

- *GOAL: Integrated Force-level mission management*
- AMC's Command and Control System
  - Flight following, mission scheduling, airfield suitability
  - Graphical exception management and briefing capability
  - >4000 world-wide users
- System of systems
- Consists of 1.5M SLOC in 10 separate code lines
- Thick and browser clients; multiple applications (GDSS, M3, RIDL, G2, etc.)
- Extensive data brokering and external interfaces (~40)





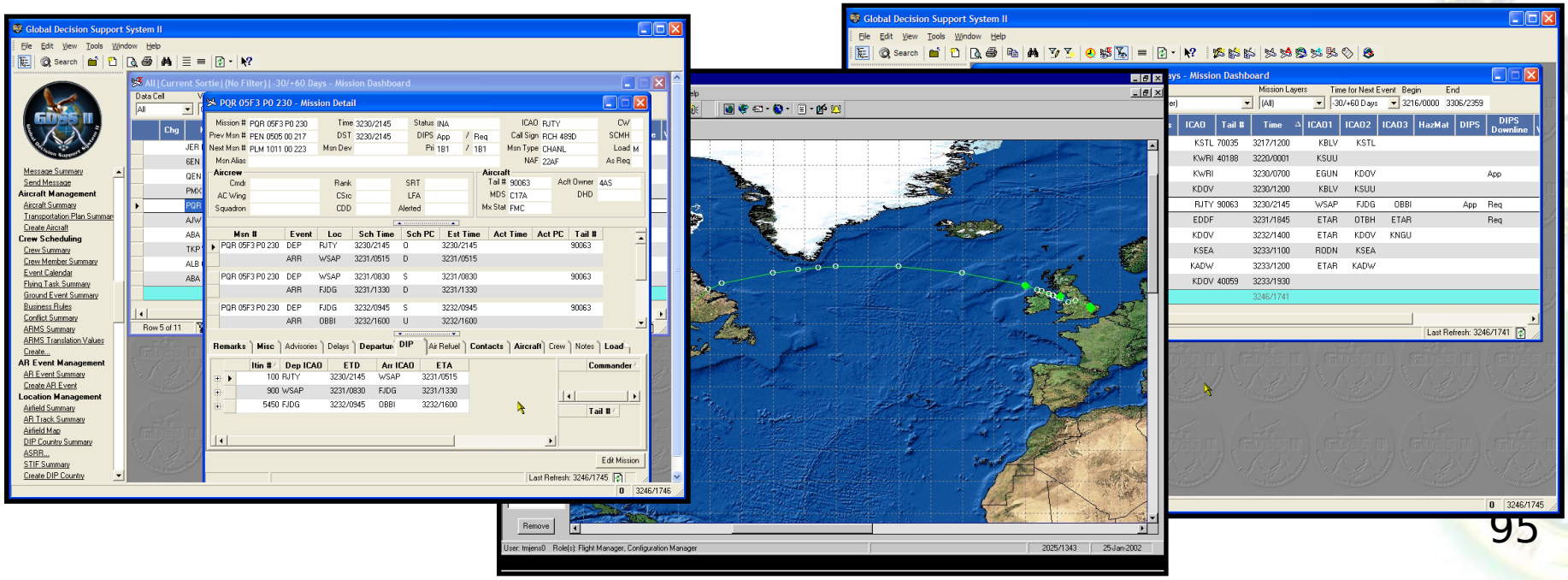
GDSS External Interfaces



GDSS Modernized

GOAL: Next generation AMC C2 system Force/Unit integrated management

- Replacing GDSS (including IMT) and C2IPS with single, integrated system
- Supported P3I proof of concept initiative
- Improved C2 data integrity, security and system availability
- Coalition effort with CSC, SCP, SCT, DO, CSS
- Lead system/software architect and database developer
- Supports SOA via Mobility Enterprise Information Services (MEIS)

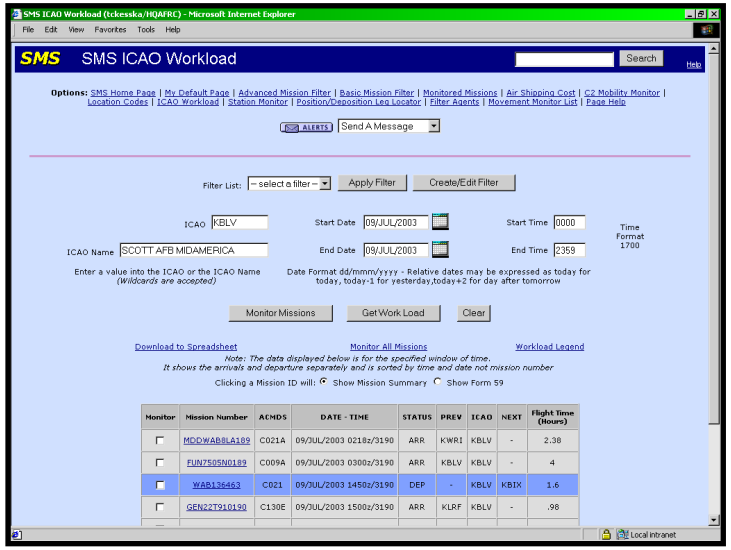


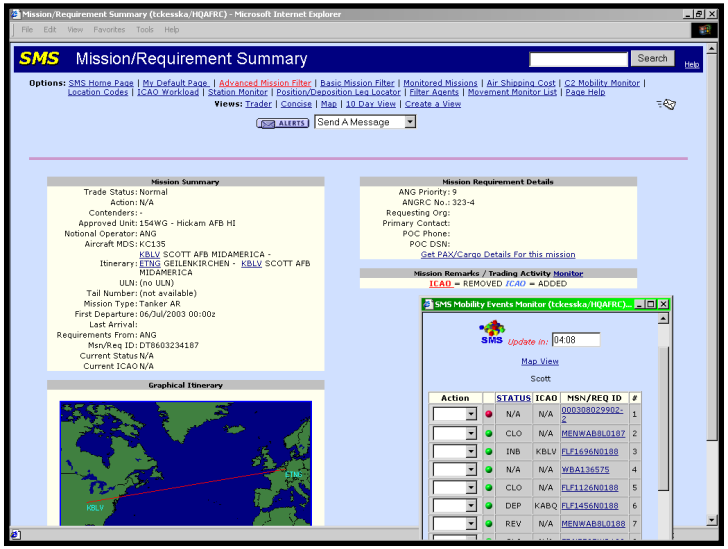
Single Mobility System – SMS

GOAL: Deployment and distribution requirements management and tracking

- Mobility portal supporting multi-modal transportation operations
- Data fusion from multiple air and surface systems
- Web-based applications and visualization
- Metrics and forward-looking alerts
- Supported organizations:

  Over 10,000 active users, DDOC, C-DDOC, AMC (TACC, A-3, units), AFRC, ANG, White House Military Office, JTF 6 (counter-drug), unified commanders, service users

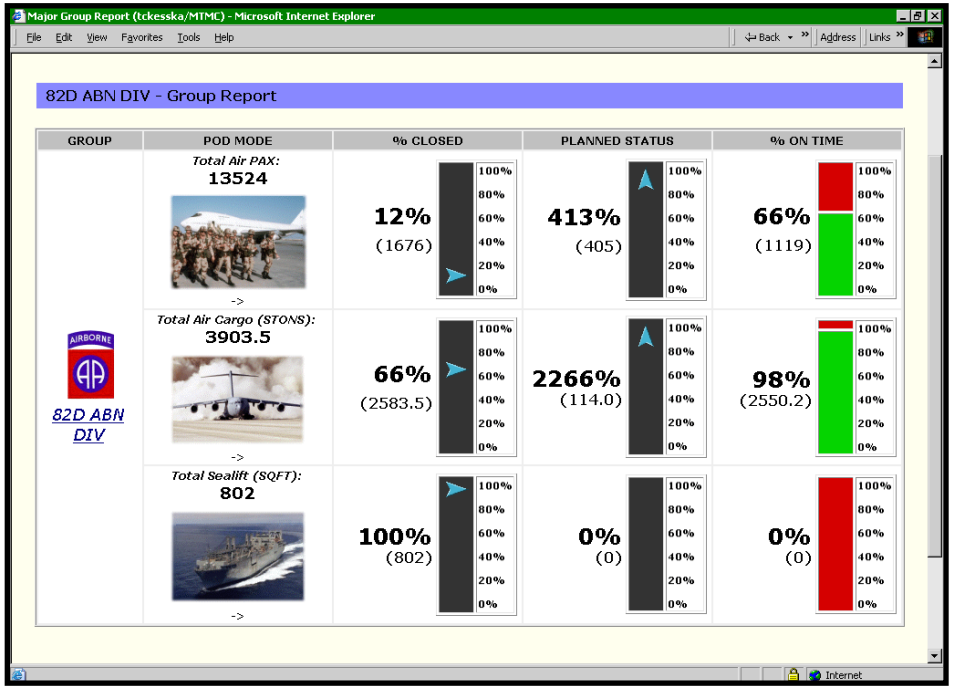


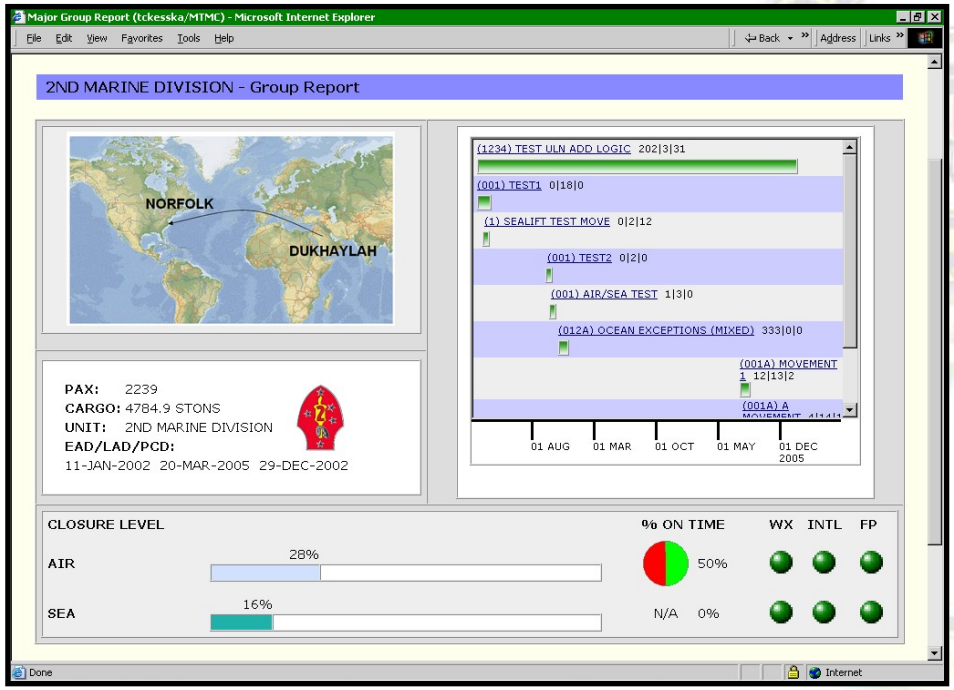


SMS – Situational Displays / Knowledge Wall

GOAL: Visualization of decision-ready data

- Provides leadership with dynamic display of up-to-date information
- Web-based integrated “briefing” data
- Eliminates time consuming briefing preparation task
- Fused data from numerous systems

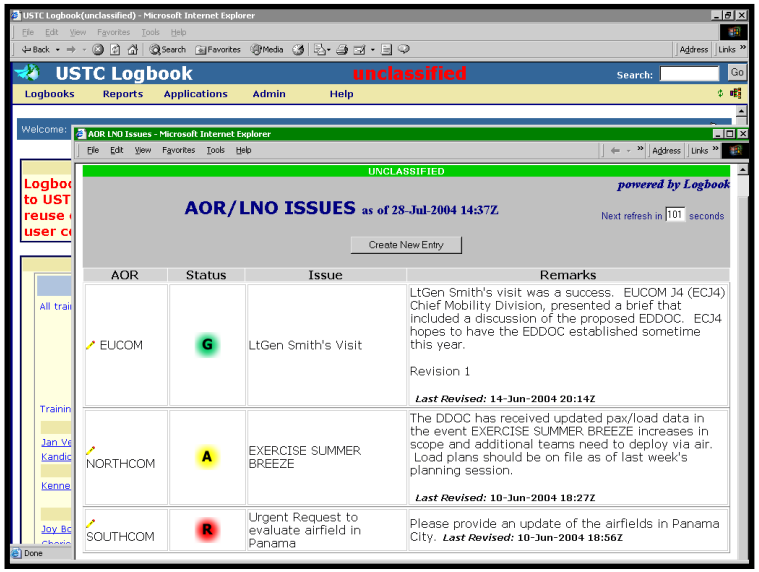


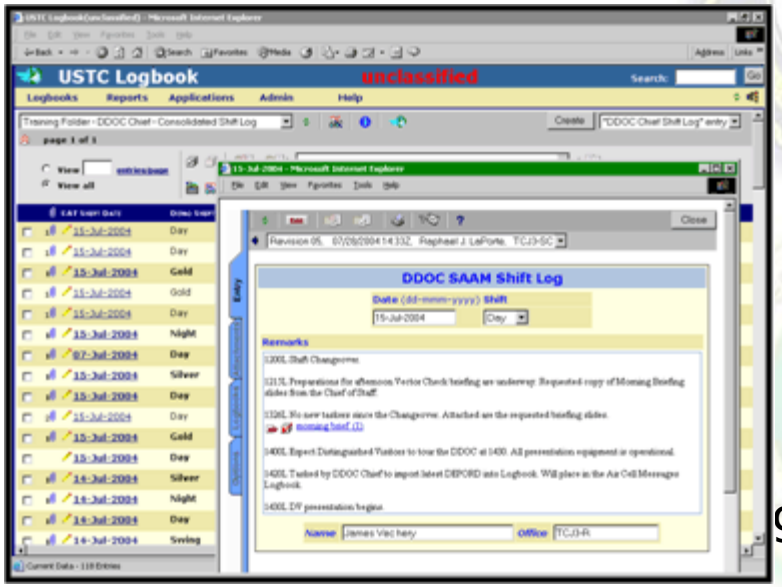


Events Logbook – ELB

GOAL: Dynamic information fusion and web-based collaboration system

- In daily use by numerous organizations to share and track information
  - USTC J6 Programs, DEAMS, DPfM, J3 DDOC, C-DDOC, Deployed DDOCs, SDDC, MSC Ops, AMC CAT, AMC NOS, TACC, JFCOM, JOSAC, GPMRC, WPS/GATES Convergence Team
- Supports many processes: Workflow processes, Lessons Learned, shift logs, reports, message management, Current Intel Report, Hot Issues/Display Management
- First system to "pass" USTRANSCOM's DTS EA Certification process
- Pilot program for upgrade to Microsoft .NET technology at USTRANSCOM





Summary

FSG Overview

IGC FAD Proposal Highlights

Major Programs

Questions

FAD Presentations

General Dynamics

1115 - 1135

GENERAL DYNAMICS
C4 Systems

IGC/FAD Kick-Off

Sep 18, 2008

General Dynamics C4S

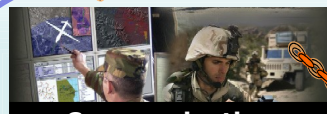
- *Developer of "net-centric" solutions "core to edge"*

Provide the Applications

Battle Management Systems

Information Assurance

Build The Network



Communication Networks

National Systems

SATCOM Technologies

Address the Network Edge

Computing Technologies

Applied To

Sensors

Missions

Platforms

Operation Centers

General Dynamics C4 Systems Resources

Approximately 10,200 employees worldwide

•Massachusetts
•Over 1400 Employees

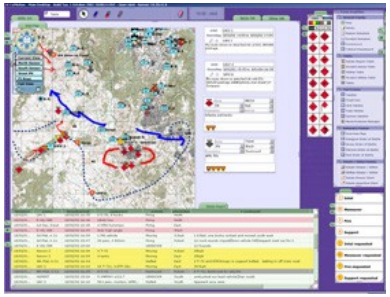
•Arizona - HQ
•Over 3000 Employees

•Canada
•Over 2100 Employees

- CMMI® Level 5 rating for (Systems and Software Engineering and Supplier Sourcing)
- SEI SW-CMM® Level 5 rating
- ISO 9001:2000 Certified Quality Management System
- ISO 14001:2004/18001 Certified
- OSHA VPP STAR site (Arizona)
- HCD Human Centered Design

Team GDC4S Capabilities

- Existing programs and disruptive technologies
- Leverage internal investments
- Innovative teammates with domain expertise
- Proven software processes and methodologies
- SOA Governance and Reference Architecture
- Metadata-based information services
- Abstraction to Open Standards
- SOA Robust prototyping/Validation Environment
- SOA Assessment, Migration and Maturity Models

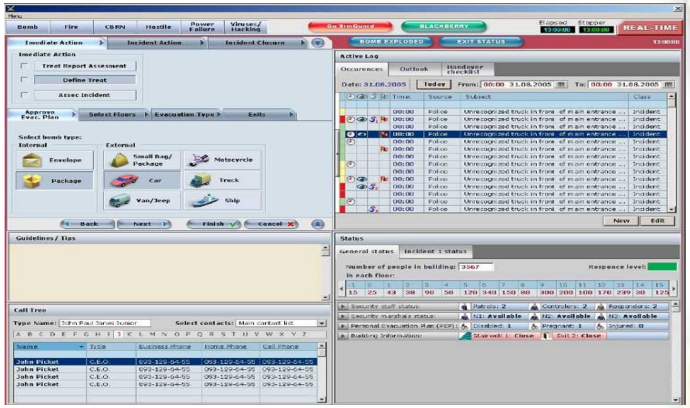



Team GDC4S Capabilities

- Data Integration/In-Transit Visibility:
  - TransViz: Data collaboration and visualization for deliberate planning
  - AFRL JBI: Information Management layer for NCES
  - CPOF: Real time collaboration and visualization for C2
  - GCSS-J: Integration & Synchronization
  - M & S expertise facilitates agile development

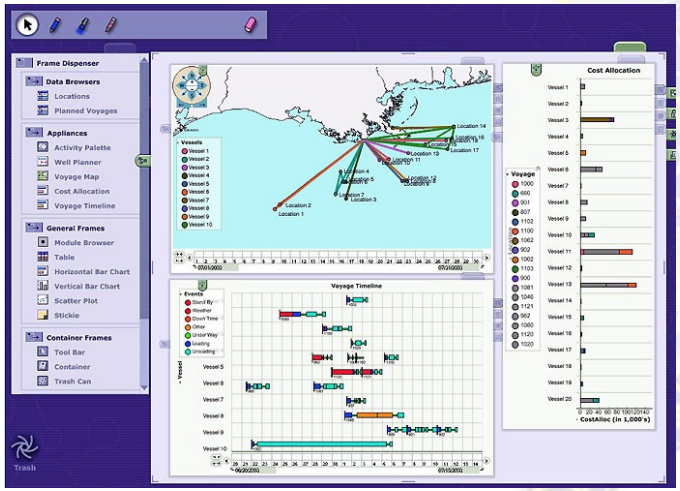
Team GDC4S Capabilities

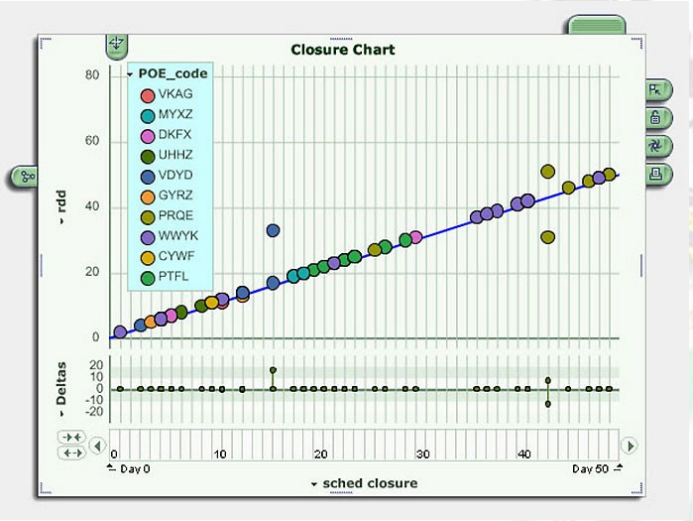
- Business Intelligence
  - World-class service based on rigorous training and certifications
  - Follow global standards such as the BI Success Model
  - Uses Business Intelligence Solution Accelerator methodology
  - Integrated service lines consist of:
    - Product
    - Platform
    - Data optimization
    - Decision services



Example Application - TransViz

- Transportation planning tool
  - Analyze information
  - Share thoughts
  - COA Analysis
- Supports cross-functional planning and execution
- Users Collaborate in near-real time to resolve sourcing, validation, and movement issues

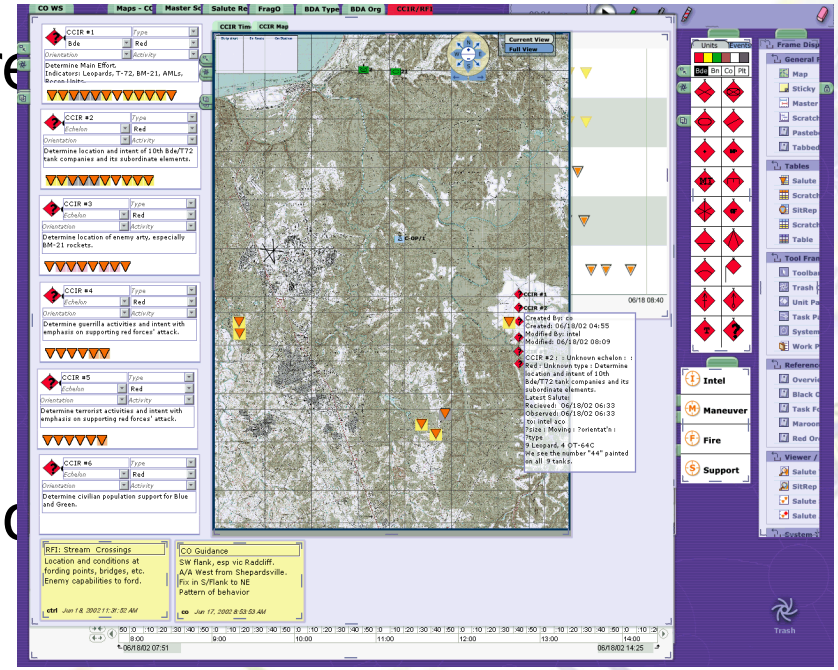




Example Application- CPOF

Command Post of the Future

- Collaborate
  - Across ABCS
- Communicate
- Visualize
- Share real-time informatio
  - Incident reporting
  - Trend Analysis



Viz Innovation Center

Center Of Excellence for information-centric visualization and collaboration solutions

- **Capabilities**
  - **Product**: CoMotion Product Line
  - **Consulting**: Human Centered Design and Application Development
  - **Methodology**: Double Helix
  - **Innovation**: R&D; Product Concepts to Fielded Systems
- **Facilities**
  - **Pittsburgh**
    - CoMotion Product Line
    - Birthplace of Command Post of the Future (CPOF)
  - **Scottsdale: Foundry- replicates VIZ**

See What You Think™